DRINKING WATER SURVEILLANCE PROGRAM BROCKVILLE WATER TREATMENT PLANT REPORT FOR 1991 AND 1992

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BROCKVILLE WATER TREATMENT PLANT DRINKING WATER SURVEILLANCE PROGRAM REPORT FOR 1991 AND 1992

APRIL 1994



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EXECUTIVE SUMMARY

DRINKING WATER SURVEILLANCE PROGRAM

BROCKVILLE WATER TREATMENT PLANT 1991 AND 1992 REPORT

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to include all municipal supplies in Ontario. In 1991, 96 supplies and in 1992, 109 supplies were being monitored.

The Brockville water treatment plant is a direct filtration plant which treats water from the St. Lawrence River. The process consists of coagulation, flocculation, filtration, fluoridation and disinfection. This plant has a design capacity of $40.7 \times 1000 \, \text{m}^3/\text{day}$. The Brockville water treatment plant serves a population of approximately 21,200.

Water at the plant and at two locations in the distribution system was sampled for the presence of approximately 180 parameters. Parameters were divided into the following groups: bacteriological, inorganic and physical (laboratory chemistry, field chemistry and metals), organic (chloroaromatics, chlorophenols, pesticides and PCB, phenolics, polyaromatic hydrocarbons and volatiles) and radiological (radionuclides). Most laboratory analyses were conducted at the Ministry of the Environment and Energy facilities in Rexdale, Ontario. Radionuclides were analyzed by the Ministry of Labour.

Table A is a summary of all results by group.

In 1992, the Ontario Drinking Water Objective for fluoride was revised to 1.5 mg/L to reflect operational requirements. Two of four treated and distributed water samples exceeded 1.5 mg/L with a maximum value of 1.68 mg/L. It is recommended that the fluoride addition practices be reviewed.

No other known health related guidelines were exceeded.

The Brockville water treatment plant, for the sample years 1991 and 1992, produced good quality water and this was maintained in the distribution system.

TABLE A
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

SUMMARY TABLE BY SCAN

A POSITIVE VALUE DENOTES THAT THE RESULT IS GREATER THAN THE STATISTICAL LIMIT OF DETECTION AND IS QUANTIFIABLE A '.' INDICATES THAT NO SAMPLE WAS TAKEN

| | × a | SITE | | \$ | 700 | 4750 | | 4.0 | ERSHOT AVE | | DED | EN DIVO | |
|------------------|---------------------------|-------|-----|-----------|-------|------------------|-----------|-------------------|------------|-----------|-------|----------|-----------|
| | SCAN | TESTS | | %POSITIVE | | ATED POSITIVE | %POSITIVE | | POSITIVE S | %POSITIVE | TESTS | POSITIVE | XPOSITIVE |
| , 1 | BACTERIOLOGICAL | 42 | 22 | 52 | 14 | 2 | 14 | 13 | 6 | 46 | 9 | 7 | 77 |
| · P ₂ | CHEMISTRY (FIELD) | 43 | 43 | 100 | 87 | 86 | 98 | 155 | 154 | 99 | 108 | 108 | 100 |
| | CHEMISTRY (LABORATORY) | 356 | 298 | . 83 | 360 | 294 | 81 | 546 | 483 | 88 | 377 | 333 | 88 |
| | METALS | 360 | 128 | 35 | 360 | 127 | 35 | 598 | 242 | 40 | 414 | 183 | 44 |
| ٠ | CHLOROAROMATICS | 154 | 0 | 0 | 154 | 0 | 0 | 140 | 0 | 0 | 84 | 0 | 0 |
| | CHLOROPHENOLS | 6 | 0 | 0 | 6 | 0 | . 0 | n ^{tt} • | | , (±). | | ₩ (•) | 1 0• |
| | PESTICIDES AND PCB | 361 | 0 | 0 | 348 | 0 | 0 | 222 | . 0 | 0 | 134 | 0 | . 0 |
| | PHENOLICS | 15 | 2 | 13 | 15 | 0 | 0 | | • | × . | • | | , . |
| | POLYAROMATIC HYDROCARBONS | 102 | 0 | 0 | 102 | 0 | 0 | 85 | 0 | 0 | 68 | . 0 | Q |
| | SPECIFIC PESTICIDES | 17 | 0 | 0 | 17 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| | VOLATILES | 441 | 0 | 0 | 441 | 59 | 13 | 383 | 53 | 13 | 261 | 36 | 13 |
| #2 | RADIONUCLIDES | 21 | 6 | 28 | 21 | 4 | 19 | * . • | | | • | ě | ■ 0 â - 8 |
| OTAL | e, I | 1,918 | 499 | E | 1,925 | 572 | | 2,144 | 938 | | 1,457 | 667 | |

DRINKING WATER SURVEILLANCE PROGRAM

BROCKVILLE WATER TREATMENT PLANT 1991 AND 1992 REPORT

INTRODUCTION

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to include all municipal supplies in Ontario. In 1991, 96 supplies and in 1992, 109 supplies were being monitored.

Appendix A has a full description of the DWSP.

The DWSP was initiated for the Brockville water treatment plant in February of 1990. A previous annual report was published for 1990.

PLANT DESCRIPTION

The Brockville water treatment plant is a direct filtration plant which treats water from the St. Lawrence River. The process consists of coagulation, flocculation, filtration, fluoridation and disinfection. This plant has a design capacity of $40.7 \times 1000 \, \text{m}^3/\text{day}$. The Brockville water treatment plant serves a population of approximately 21,200.

The sample day flows ranged from 13.1 x 1000 m^3/day to 19.6 x 1000 m^3/day .

General plant information is presented in Table 1 and a schematic of plant processes, chemical addition points and sampling locations in Figure 1.

SAMPLING AND ANALYSES

Stringent DWSP sampling protocols were followed to ensure that all samples were collected in a uniform manner (see Appendix B).

Sample lines in the plant were flushed prior to sampling to ensure that the water obtained was indicative of its origin and not residual water standing in the sample line.

Attempts were made to capture the same block of water at each sampling point by taking the retention time into consideration.

Retention time was calculated by dividing the volume of water between two sampling points by sample day flow. For example, if it was determined that retention time within the plant was five hours, then there would be a five hour interval between the raw and treated sampling. Similarly, if it was estimated that it took approximately one day for the water to travel from the plant to the distribution system site, this site would be sampled one day after the treated water from the plant.

To obtain a representative raw water sample, free from any added chemicals, at plants which used chlorine for zebra mussel control, the operator was required to turn off the chlorine feed to the mouth of the intake and allow enough time for the chlorinated water to clear from the intake works.

Plant operating personnel routinely analyzed parameters for process control (Table 2).

At all distribution system locations, two types of samples were obtained, a standing and a free flow. The standing sample consisted of water that had been in the household plumbing and service connection for a minimum of six hours. These samples were used to make an assessment of the change in the levels of inorganic compounds and metals due to leaching from, or deposition on, the plumbing system. The only analyses carried out on the standing samples, therefore, were laboratory chemistry and metals. The free flow sample represented fresh water from the distribution system main, since the sample tap was flushed for five minutes prior to sampling.

Water at the plant and at two locations in the distribution system was sampled for the presence of approximately 180 parameters. Parameters were divided into the following groups: bacteriological, inorganic and physical (laboratory chemistry, field chemistry and metals), organic (chloroaromatics, chlorophenols, pesticides and PCB, phenolics, polyaromatic hydrocarbons and volatiles) and radiological (radionuclides). Most laboratory analyses were conducted at the Ministry of the Environment and Energy facilities in Rexdale, Ontario. Radionuclides were analyzed by the Ministry of Labour.

RESULTS

Field measurements were recorded on the day of sampling and were entered onto the DWSP database as submitted by plant personnel.

Table 3 contains information on delay time between the raw and treated water sampling, flow rate, and treatment chemicals dosages.

Table 4 is a summary of all results by parameter and by water type. If a parameter was not detected, the total number of negative

sample results is given. In contrast, if a parameter was detected at any location, the detailed results for all samples are provided.

Positive denotes that the result is greater than the statistical limit of detection established by the Ministry of the Environment and Energy laboratory staff and is quantifiable. Trace (<T) denotes that the level measured is greater than the lowest value detectable by the method but lies so close to the detection limit that it cannot be confidently quantified.

Table 5 lists all parameters analyzed in the DWSP.

Associated guidelines and detection limits are also supplied on Tables 4 and 5. Parameters are listed alphabetically within each scan.

DISCUSSION

GENERAL

Water quality was judged by comparison with the Ontario Drinking Water Objectives publication (ODWOs). When an Ontario Drinking Water Objective (ODWO) was not available, guidelines/limits from other agencies were used. These guidelines were obtained from the Parameter Listing System database.

The guidelines are evaluated on the results from the free flowing samples. Standing samples in the distribution system can show elevated concentrations in certain metals if the water is corrosive or if the standing time is excessive. Flushing the tap until the water achieves the coolest temperature will ensure that the water used for consumption will contain minimum concentrations of metals.

IN THIS REPORT, DISCUSSION IS LIMITED TO:

- -THE TREATED AND DISTRIBUTED WATER;
- -ONLY THOSE PARAMETERS WITH CONCENTRATIONS ABOVE GUIDELINE VALUES; AND
- -POSITIVE ORGANIC PARAMETERS DETECTED.

BACTERIOLOGICAL

Guidelines for bacteriological sampling and testing of a supply are developed to maintain a proper supervision of its bacteriological quality. Routine monitoring programs usually require that multiple samples be collected in a given system. Full interpretation of bacteriological quality cannot be made on the basis of single samples. Standard plate count was the only bacteriological analysis conducted on the treated and distributed water.

Standard plate count is a test used to supplement routine analysis for coliform bacteria. The limit for standard plate count (at 35°C after 48 hours) in the ODWOs is 500 counts/mL (based on a geometric mean of 5 or more samples). DWSP bacteriological analysis of treated and distributed water was limited to standard plate count.

Standard plate count (membrane filtration) exceeded the ODWO Aesthetic Objective of 500 counts/mL in 6 of 36 treated and distributed water samples with a maximum reported value of >2,400 counts/mL.

INORGANIC & PHYSICAL

CHEMISTRY (FIELD)

It is desirable that the temperature of drinking water be less than 15°C. The palatability of water is enhanced by its coolness. A temperature below 15°C will tend to reduce the growth of nuisance organisms and hence minimize associated taste, colour, odour and corrosion problems. The temperature of delivered water may increase in the distribution system due to the warming effect of soil in late summer and fall and/or as a result of higher temperatures in the source water.

Field temperature exceeded the ODWO Aesthetic Objective of 15°C in 10 of 34 treated and distributed water samples with a maximum reported value of 22.0°C.

CHEMISTRY (LABORATORY)

Where fluoridation is practiced the recommended concentration is 1.2 mg/L and deviation from this optimum should not exceed + or - 0.2 mg/L. In the summer of 1992 the ODWO Maximum Acceptable Concentration for fluoride was lowered from 2.4 mg/L to 1.5 mg/L. Naturally occurring fluoride should not exceed 2.4 mg/L. The Medical Officer of Health should be notified of any exceedances.

Fluoride exceeded the ODWO Maximum Acceptable Concentration of 1.5 mg/L (where fluoridation is practiced) in 2 of 4 treated and distributed water samples, taken after the new guideline was established, with a maximum reported value of 1.68 mg/L. The treatment process for fluoride addition should be reviewed.

The ODWOs indicate that a hardness level of between 80 and 100 mg/L as calcium carbonate for domestic waters provides an acceptable balance between corrosion and encrustation. Water supplies with a hardness greater than 200 mg/L are considered poor and possess a tendency to form scale deposits and result in excessive soap consumption.

Hardness exceeded the ODWO Recommended Operational Guideline of 80-100 mg/L in all 37 treated and distributed water samples with a maximum reported value of 137.9 mg/L.

METALS

At present, there is no evidence that aluminum is physiologically harmful and no health limit for drinking water has been specified. The measure of aluminum in treated water is important to measure the efficiency of the treatment process. The ODWOs indicate that a useful guideline is to maintain a residual below 100 ug/L as aluminum in the water leaving the plant to avoid problems in the distribution system.

Aluminum exceeded the ODWO Recommended Operational Guideline of 100 ug/L in 25 of 37 treated and distributed water samples with a maximum reported value of 260 ug/L.

ORGANIC

CHLOROAROMATICS

The results of the chloroaromatic scan showed that none were detected above trace levels.

CHLOROPHENOLS

The results of the chlorophenol scan showed that none were detected.

PESTICIDES AND PCB

The results of the pesticide and PCB scan showed that none were detected above trace levels.

PHENOLICS

The results of the phenolics test showed that none were detected above trace levels.

POLYAROMATIC HYDROCARBONS

The results of the polyaromatic hydrocarbon scan showed that none were detected.

SPECIFIC PESTICIDES

The results of the specific pesticide scan showed that none were detected.

VOLATILES

The detection of benzene, ethylbenzene, toluene and xylenes at low, trace levels may be a laboratory artifact derived from the analytical methodology. Trace levels of styrene are considered to be laboratory artifacts resulting from the sample shipping containers.

Styrene was found at a positive level in 1 of the 37 treated and distributed water samples analyzed. The maximum observed level was 0.6 ug/L. This was below the United States Environmental Protection Agency Maximum Contaminant Level of 100 ug/L.

Trihalomethanes (THMs) are produced during the water treatment process and will always occur in chlorinated waters. THMs are comprised of chloroform, chlorodibromomethane and dichlorobromomethane. Bromoform occurs occasionally. Results are reported for the individual compounds as well as for total THMs. Only total THM results are discussed. Starting in 1991, samples from the distribution system were quenched with sodium thiosulphate to stop the further production of THMs in the sample bottle. This provided a more representative estimation of the THMs consumed in tap water.

Total trihalomethanes were found at positive levels in all 37 treated and distributed water samples analyzed. The maximum observed level was 49.4 ug/L. This was below the ODWO Maximum Acceptable Concentration of 350 ug/L.

RADIOLOGICAL

RADIONUCLIDES

There are more than 200 radionuclides, some of which occur naturally and others which originate from the activities of society. The radionuclides currently of greater interest from a health view-point are tritium, strontium-90, iodine-131, cesium-137 and radium-226. The gross beta and gross alpha determinations are suitable for preliminary screening except for tritium which must be measured separately. Radionuclides are measured in becquerels per litre (Bq/L). No results were above the available guidelines.

CONCLUSIONS

In 1992, the Ontario Drinking Water Objective for fluoride was revised to 1.5 mg/L to reflect operational requirements. Two of four treated and distributed water samples exceeded 1.5 mg/L with a maximum value of 1.68 mg/L. It is recommended that the fluoride addition practices be reviewed.

No other known health related guidelines were exceeded.

The Brockville water treatment plant, for the sample years 1991 and 1992, produced good quality water and this was maintained in the distribution system.

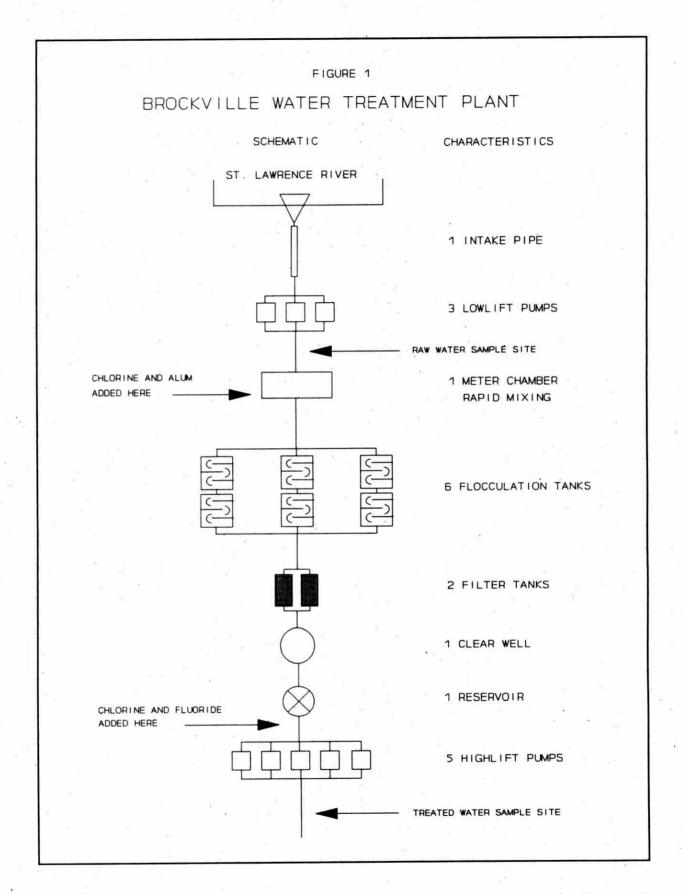


TABLE 1

DRINKING WATER SURVEILLANCE PROGRAM

PLANT GENERAL REPORT

PLANT NAME:

BROCKVILLE WTP

WORKS #:

220001263

UTM #:

180447604938300

DISTRICT:

KINGSTON

REGION:

SOUTHEAST

DISTRICT OFFICER:

J.D. BISHOP

SUPERINTENDENT:

LYLE BAKER

ADDRESS:

20 RIVERS AVE.

BROCKVILLE, ONTARIO

K6V 5R9

613-342-7819

MUNICIPALITY:

BROCKVILLE

AUTHORITY:

MUNICIPAL

PLANT INFORMATION

PLANT VOLUME:

5.450 (X 1000 M3)

DESIGN CAPACITY: RATED CAPACITY:

40.700 (X 1000 M3/DAY) (X 1000 M3/DAY)

MUNICIPALITY

POPULATION

BROCKVILLE

20,169

ELIZABETH TWP

1,000

TABLE 2 DRINKING WATER SURVEILLANCE PROGRAM IN-PLANT MONITORING

| PARAMETER | LOCATION | FREQUENCY |
|-------------------------|----------------|--------------------------------|
| ALUMINUM | TREATED | VARIABLE |
| FREE CHLORINE RESIDUAL | RAW TREATED | EVERY 2 HOURS EVERY 2 HOURS |
| TOTAL CHLORINE RESIDUAL | RAW TREATED | EVERY 2 HOURS EVERY 2 HOURS |
| FLUORIDE | RAW TREATED | DAILY EVERY 6 HOURS |
| HARDNESS | RAW TREATED | VARIABLE VARIABLE |
| РН | RAW TREATED | EVERY 2 HOURS EVERY 2 HOURS |
| TEMPERATURE | RAW TREATED | EVERY 2 HOURS EVERY 2 HOURS |
| TURBIDITY | RAW TREATED | EVERY 2 HOURS |

TABLE 3
DRINKING WATER SURVEILLANCE PROGRAM BROCKVILLE WTP SAMPLE DAY CONDITIONS
AND TREATMENT CHEMICAL DOSAGES FOR 1991 AND 1992

| | | | | | PRE CHLORINATION CHLORINE | COAGULATION ALUM LIQUID | FLUORIDATION HYDROFLUOSILICIC ACID | POST CHLORINATION CHLORINE |
|----|-----|----|-------------------|------------------|---------------------------|----------------------------|---------------------------------------|---|
| DA | TE | | DELAY * TIME(HRS) | FLOW (1000M3) | | | | Constitution of the c |
| 91 | JAN | 23 | 1.50 | .000 | .30 | 4.00 | 1.60 | .70 |
| 91 | | | | 13.090 | | 5.00 | 1.68 | .70 |
| 91 | MAR | 20 | | 13.350 | | 5.40 | 1.44 | .70 |
| 91 | APR | 17 | 2.60 | 13.800 | | 7.00 | 1.25 | .70 |
| 91 | MAY | 22 | 2.30 | 15.000 | | 4.70 | 1.67 | 1.00 |
| 91 | JUN | 19 | 2.10 | 16.080 | | 1.80 | 1.68 | 1.00 |
| 91 | JUL | 17 | 1.80 | 19.620 | | 2.10 | 1.67 | 1.00 |
| 91 | AUG | 21 | .00 | 17.500 | | 1.30 | 1.90 | 1.10 |
| 91 | SEP | 18 | 2.50 | 13.507 | .70 | 1.35 | 1.70 | 1.10 |
| 91 | OCT | 23 | 2.60 | 14.100 | .60 | 1.30 | 1.50 | 1.10 |
| 91 | NOV | 20 | 2.40 | 14.600 | | 1.20 | 1.58 | 1.00 |
| | JAN | | | 15.010 | | 1.03 | 1.60 | .80 |
| | APR | | | 13.160 | | .50 | 1.20 | .80 |
| | JUL | | | 15.780 | | .70 | 1.20 | 1.00 |
| 92 | OCT | 21 | 2.30 | 15.780 | | 1.80 | 1.15 | .50 |

^{*} THE DELAY TIME BETWEEN THE RAW AND TREATED WATER SAMPLING, SHOULD ESTIMATE THE RETENTION TIME.

KEY TO TABLE 4 and 5

- ONTARIO DRINKING WATER OBJECTIVES (ODWO) Α
 - 1. Maximum Acceptable Concentration (MAC)
 - 1+. MAC for Total Trihalomethanes
 - 2. Interim Maximum Acceptable Concentration (IMAC)
 - Aesthetic Objective (AO)
 AO for Total Xylenes

 - 4. Recommended Operational Guideline
 - 5. Health Related Guidance Value
- HEALTH & WELFARE CANADA (H&W) В
 - 1. Maximum Acceptable Concentration (MAC)
 - 2. Proposed MAC
 - 3. Interim MAC
 - 4. Aesthetic Objective (AO)
- WORLD HEALTH ORGANIZATION (WHO) C
 - Guideline Value (GV)
 - Tentative GV 2.
 - 3. Aesthetic GV
- US ENVIRONMENTAL PROTECTION AGENCY (EPA) D
 - Maximum Contaminant Level (MCL)
 - 2. Suggested No-Adverse Effect Level (SNAEL)
 - 3. Lifetime Health Advisory
 - 4. EPA Ambient Water Quality Criteria
- EUROPEAN ECONOMIC COMMUNITY (EEC) F
 - Health Related Guideline Level
 - Aesthetic Guideline Level 2.
 - Maximum Admissable Concentration (MADC)
- CALIFORNIA STATE DEPARTMENT OF HEALTH-GUIDELINE VALUE G
- NEW YORK STATE AMBIENT WATER GUIDELINE Ι
- NONE AVAILABLE N/A

LABORATORY RESULTS. REMARK DESCRIPTIONS

| | . 9 |
|--|--|
| • | No Sample Taken |
| BDL | Below Minimum Measurement Amount |
| <t< td=""><td>Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE)</td></t<> | Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE) |
| > | Results Are Greater Than The Upper Limit |
| <=> | Approximate Result |
| !48 | No Data: Sample Age Exceeded 48 Hours |
| !AR | No Data: No Numeric Results |
| ! AW | No Data: Analysis Withdrawn |
| !BT | No Data: Sample Broken In Transit |
| !cs | No Data: Contamination Suspected |
| ! EF | No Data: Laboratory Equipment Failure |
| !IR | No Data: Insufficient Sample |
| !IS | No Data: Insufficient Sample |
| ! LA | No Data: Laboratory Accident |
| ! NP | No Data: No Procedure |
| !NR | No Data: Sample Not Received |
| !OP | No Data: Obscured Plate |
| !PE | No Data: Procedure Error: Sample Discarded |
| !PR | No Data: Preservative Required |
| !QU | No Data: Quality Control Unacceptable |
| !RE | No Data: Received Empty |
| ! RO | No Data: No Numeric Results |
| !sm | No Data: Sample Missing |
| !ss | No Data: Sample Improperly Preserved |
| !U | No Data: Sample Unsuitable For Analysis |
| !UB | No Data: Bottle Broken |
| 1 7757 | We Date: Daniel Warnelline |

No Data: Result Unreliable

! UN

No Data: Unpreserved Sample Required ! UR Approximate Value Α Approximate, Total Count Exceeded 300 Colonies A3C Approximate Value, Exceeded Normal Range A> Additional Peak, Less Than, Not Priority Pollutant APS Additional Information In Laboratory Report ARO Calculated Result Only CRO Not All Required Tests Found NAF Ioncal Calculated on Incomplete Data Set RID P and M-Xylene Not Separated RMP Result Obtained by Repeat Analysis RRR Rerun Verification RRV Sample Filtered: Filtrate Analyzed SFA Sample Incorrectly Labelled SIL Several Peaks, Small, Not Priority Pollutant SPS U48 Unreliable: Sample Age Exceeded 48 Hours Unreliable: Sample Age Exceeded Limit UAL Unreliable: Sample Age Unknown UAU Unreliable: Contamination Suspected UCS Wrong Sample Description On Bottle WSD

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| j | TREATMENT PLANT | TREATMENT P | PLANT DIST. SYST ALDERSHOT FREE FLOW | | | DIST. SYSTEM PEDEN BLVD STANDING |
|----------------------|-----------------|-------------|--|---------|---------------------------------------|--|
| | BACTERIOLOGIC | CAL | | | | |
| FECAL COLIFORM | MF (CT/100ML) | | DET'N LIMIT | = 0 | UIDELINE = 0 (A1) | 10) m |
| 1991 JAN | BDL | 1 62 | il e | | (ē | |
| 1991 FEB | BDL | | | | = = = = = = = = = = = = = = = = = = = | 2 |
| 1991 MAR | BDL | * . | | | | • |
| 1991 APR | 1 | | | | all 1 " | |
| 1991 MAY | BDL | • | • | | s | A |
| 1991 JUN | BDL | | 2 9 | • | • | |
| 1991 JUL | 4 | | | • | | |
| 1991 AUG | 7 | | | | | |
| 1991 OCT | BDL | | • | • | | \$ * // |
| 1991 NOV | 2 | | • | • | | |
| 1992 JAN | BDL | | • | • • | | · · · · · · · · · · · · · · · · · · · |
| 1992 APR | BDL | 9 | • | • | • | \$ = 03 |
| 1992 JUL | BDL | • | | • " | | |
| 1992 OCT | BDL | a 100 - | | | | |
| 1992 UC1 | BUL | | • | · | | |
| STANDRD PLATE | CNT MF (CT/ML |) | DET'N LIMIT | = 0 G | UIDELINE = 500 (A3) | |
| 1991 JAN | | 6 | 5 <=> | 8 <=> . | 2 <=> | |
| 1991 FEB | | . 3 | 3 <=> | | 22 | 9 × × |
| 1991 MAR | 1 2 | 8 | 8 <=> | 2 <=> . | 5 <=> | NII . |
| 1991 APR | | 3 | | Ō | | 2 |
| 1991 MAY | 1 A | 17 | | 0 <=> . | 330 | |
| 1991 JUN | | 1 | 1 <=> | 7 <=> . | 240 | |
| 1991 JUL | | Ó | 0 <=> 2 | 3 | X-5.102 | 4 IN 37 |
| 1991 AUG | - 4 | 22 | TH 08000 | | 290 | |
| 1991 SEP | | | | 5 <=> | 540 | |
| 1991 OCT | | 1 | 3 | 7 . | 2400 > | |
| 1991 NOV | | | 7 <=> 240 | | 540 | AR |
| 1992 JAN | F | 1050 | 7 <=> 4 | 7. | | 3 No. 1 |
| 1992 APR | 10 997 | - 5 | 5 | 2 <=> . | \$ 20 | |
| 1992 JUL | | 2400 | | | | • |
| 1992 JUL 1992 OCT | 100 N | | | 1 <=> . | | |
| 1772 001 | | | V 255 | | | • |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | | TREATMENT RAW | PLANT | TREATMEN TREATED | T PLANT | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | DIST. SYSTEM PEDEN BLVD FREE FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|---|--------------------|------------------|----------------|---------------------|------------|--|---|--|---|
| | | BACTER | | CAL | | APTIN 1 19417 - A | A11 | DEL THE - E/100M | /A1> |
| TOTAL C | OL I FORM | MF (CT/100 | JML) | | Q. | DET'N LIMIT = 0 | GUI | DELINE = 5/100ML | (AI) |
| 1991 | IAN | | 20 <=> | | | | | N2 | |
| 1991 | | 3.0 | 8 | | | # A 198 | | | ¥ |
| | MAR | 13 | 16 | | • | (.) | :: // | | |
| | APR | | 32 | | • | | ₹ ^A 31 | | - * · · · · |
| | MAY | | 32 A3C | | • | 1.4 | | | #1 |
| 4577050Vii | JUN | 1.5 | 28 <=> | | | 7/45 | | | |
| | JUL | | 17 A3C | | | | (B) | | 2 . |
| | AUG | | DL AGE | | • | N A | | | |
| | OCT | 0. 554 |)L | | • | | i | · | · · · · · · · · · · · · · · · · · · · |
| 200000000000000000000000000000000000000 | NOV | | 20 <=> | | • | i. | S 19. | <u>.</u> | |
| 100000000000000000000000000000000000000 | JAN | | 50 <=> | | • 1 | | | | 1. |
| | APR | | 20 <=> | | | | | | |
| | JUL | 0.0 | DL . | | | | 2.5 | 1 | |
| | OCT | | 20 <=> | | | | | | = ** |
| | | | | | | | | | |
| T COLIF | ORM BCK | GRD MF (CT | /100ML |) | | DET'N LIMIT = 0 | GUI | DELINE = N/A | |
| 1001 | JAN | 1. | 40 | N 8 | 10. | 8 | | | |
| | FEB | | 20 | 25 | | | | | F0' |
| | MAR | | 52 | | - 2 | ରିଲୋ ଜୁନ | | 4) (20) | w <u>_</u> |
| | APR | | 64 | | 151 221 | | | | |
| | MAY | | 00 A3C | | | | | 1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1 | 1880 1880 |
| | JUN | | 00 A3C | | | | | | |
| | JUL | 79.70 | 00 > | | | | 1.0° | n # | |
| | | | 00 A3C | | | | 0 0 0 | | 30-0 |
| | AUG | | | | | | | | |
| 1991 | AUG OCT | 00000 10 | | | 190 | • | | 3 | |
| 1991 1991 | OCT | 22 | 00 | | • | | • | | n :==================================== |
| 1991 1991 1991 | OCT NOV | 22 23 | 00 | | • | a | • | | n :• |
| 1991 1991 1992 1992 | OCT NOV JAN- | 22 23 9 | 00 00 | | • | = | | • | : |
| 1991 1991 1991 1992 | OCT NOV | 22 23 9 | 00 00 50 | 3 3 | : | = : | | | • |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREAT RAW | MENT PLANT | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | ALDERSHOT AVE | DIST. SYSTEM PEDEN BLVD FREE FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|--------------|--------------|--------------|----------------------------|--|----------------|---|---|
| | | EMISTRY (FI | | | | | •••••• |
| FLD CHLORINE | (COMB) | (MG/L) | | DET'N LIMIT = 0 | GU | IDELINE = N/A | |
| 1991 JAN | | • | .210 | .150 | .120 | .200 | .050 |
| 1991 FEB | | | .150 | • | n 14. a | .100 | .100 |
| 1991 MAR | | • | .140 | .260 | .120 | .050 | .050 |
| 1991 APR | | • | .180 | .110 | .140 | 8 | |
| 1991 MAY | | 1.074 | .130 | .160 | .140 | .050 | .050 |
| 1991 JUN | | • | .220 | .180 | .050 | .100 | .100 |
| 1991 JUL | | • | .190 | .130 | .100 | A | 4 4 5 |
| 1991 AUG | | | .210 | | Manageran G | .050 | .100 |
| 1991 SEP | | • | .200 | .160 | .100 | .100 | .100 |
| 1991 OCT | | 200. 200. | .150 | .150 | .220 | .150 | .130 |
| 1991 NOV | | | .210 | .230 | .210 | .130 | .140 |
| 1992 JAN | | - | .150 | .220 | .200 | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| 1992 APR | | - | .070 | .160 | .150 | | |
| 1992 JUL | | - | .210 | .080 | .090 | | . x |
| 1992 OCT | (*) | • | .260 | .100 | .120 | | |
| FLD CHLORINE | FREE (M | G/L) | 7. | DET'N LIMIT = 0 | GU | IDELINE = N/A | |
| 1991 JAN | | | .620 | .350 | .300 | .100 | .200 |
| 1991 FEB | | | .550 | | 15.5 | .200 | .100 |
| 1991 MAR | | 0.00 | .590 | .220 | .180 | .200 | . 150 |
| 1991 APR | | | .630 | .120 | .070 | | |
| 1991 MAY | | 200 | .810 | .290 | .060 | .150 | .100 |
| 1991 JUN | | | .680 | .190 | .060 | .200 | .100 |
| 1991 JUL | | | .750 | .040 | .030 | | .100 |
| 1991 AUG | | 15 E | .810 | | | .100 | .100 |
| 1991 SEP | 14 | . 000 | .830 | .380 | .030 | .150 | .100 |
| 1991 OCT | | · 2 | .920 | .080 | .550 | .030 | .030 |
| 1991 NOV | | | .760 | .090 | .070 | .050 | .040 |
| 1992 JAN | | 8 | .610 | .450 | .250 | .050 | .040 |
| 1992 APR | | | .540 | .300 | | | • |
| | | | | | .260 | | |
| 1992 JUL | | - | .720 | .040 | .020 | ((•) | :•: |
| 1992 OCT | | Ĭ. | .520 | .080 | .030 | | (●) |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT PLANT | T TREATMENT PLAN | T DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | DIST. SYSTEM PEDEN BLVD FREE FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|--|--|--|--|---|---|--|
| | CHEMISTRY (| FIELD) | , | | | |
| CHLORINE | (TOTAL) (MG/L |) | DET'N LIMIT = 0 | GUI | DELINE = N/A | |
| 1991 JAN | | .830 | .500 | .420 | .300 | .250 |
| 1991 FEB | | .700 | • | | .300 | .200 |
| 1991 MAR | | .730 | .380 | .300 | .250 | .200 |
| 1991 APR | | .810 | .230 | .210 | | |
| 1991 MAY | | .940 | .450 | .200 | .200 | .150 |
| 1991 JUN | | .900 | .350 | .110 | .300 | .200 |
| 1991 JUL | | .940 | .170 | .130 | • | |
| 1991 AUG | | 1.030 | (a) | | .150 | .200 |
| 1991 SEP | | 1.030 | .540 | .130 | .250 | .200 |
| 1991 OCT | | 1.070 | .230 | .770 | .180 | .160 |
| 1991 NOV | | .970 | .320 | .280 | .180 | .180 |
| 1992 JAN | | .760 | .610 | .450 | | |
| 1992 APR | | .610 | .460 | .410 | | |
| 1992 JUL | | .930 | .120 | .110 | | |
| 1992 OCT | | .780 | .180 | .150 | • | |
| D PH (DMNS | LESS) | | DET'N LIMIT = N/A | GU I | DELINE = 6.5-8.5 | (A4) |
| 1991 JAN | 8.200 | 7.700 | 8.000 | 8.100 | 7.900 | 7.700 |
| | 8.200 | 7.700 | 270 | ************************************** | 8.000 | 7.900 |
| 1991 FEB | | 7 700 | 7 000 | 7 500 | 7.500 | 7.500 |
| 1991 FEB 1991 MAR | 8.100 | 7.700 | 7.800 | 7.500 | 7.300 | |
| | 7.800 | 7.700 | 7.800 | 7.500 | 7.300 | |
| 1991 MAR | | | | | 7.800 | 7.700 |
| 1991 MAR 1991 APR | 7.800 | 7.500 | 7.700 | 7.500 | | 7.700 7.800 |
| 1991 MAR 1991 APR 1991 MAY | 7.800 8.100 | 7.500 7.600 | 7.700 7.900 | 7.500 7.800 | 7.800 | |
| 1991 MAR 1991 APR 1991 MAY 1991 JUN | 7.800 8.100 8.200 | 7.500 7.600 7.700 | 7.700 7.900 7.700 | 7.500 7.800 7.600 | 7.800 | |
| 1991 MAR 1991 APR 1991 MAY 1991 JUN 1991 JUL | 7.800 8.100 8.200 8.200 | 7.500 7.600 7.700 7.700 | 7.700 7.900 7.700 | 7.500 7.800 7.600 | 7.800 7.700 | 7.800 |
| 1991 MAR 1991 APR 1991 MAY 1991 JUN 1991 JUL 1991 AUG | 7.800 8.100 8.200 8.200 8.100 | 7.500 7.600 7.700 7.700 | 7.700 7.900 7.700 7.600 | 7.500 7.800 7.600 7.700 | 7.800 7.700 7.800 | 7.800 7.700 |
| 1991 MAR 1991 APR 1991 MAY 1991 JUN 1991 JUL 1991 AUG 1991 SEP | 7.800 8.100 8.200 8.200 8.100 8.100 | 7.500 7.600 7.700 7.700 7.600 | 7.700 7.900 7.700 7.600 | 7.500 7.800 7.600 7.700 7.800 | 7.800 7.700 7.800 8.000 | 7.800 7.700 7.800 |
| 1991 MAR 1991 APR 1991 MAY 1991 JUN 1991 JUL 1991 AUG 1991 SEP 1991 OCT 1991 NOV | 7.800 8.100 8.200 8.200 8.100 8.100 8.100 | 7.500 7.600 7.700 7.700 7.600 | 7.700 7.900 7.700 7.600 8.000 7.600 7.700 | 7.500 7.800 7.600 7.700 7.800 7.700 | 7.800 7.700 7.800 8.000 7.600 | 7.800 7.700 7.800 7.700 |
| 1991 MAR 1991 APR 1991 MAY 1991 JUN 1991 JUL 1991 AUG 1991 SEP 1991 OCT 1991 NOV 1992 JAN | 7.800 8.100 8.200 8.200 8.100 8.100 8.100 7.900 | 7.500 7.600 7.700 7.700 7.600 7.600 7.500 | 7.700 7.900 7.700 7.600 8.000 7.600 | 7.500 7.800 7.600 7.700 7.800 7.700 7.800 | 7.800 7.700 7.800 8.000 7.600 | 7.800 7.700 7.800 7.700 |
| 1991 MAR 1991 APR 1991 MAY 1991 JUN 1991 JUL 1991 AUG 1991 SEP 1991 OCT 1991 NOV | 7.800 8.100 8.200 8.200 8.100 8.100 7.900 8.200 | 7.500 7.600 7.700 7.700 7.600 7.600 7.500 8.100 | 7.700 7.900 7.700 7.600 8.000 7.600 7.700 7.500 | 7.500 7.800 7.600 7.700 7.800 7.800 7.600 | 7.800 7.700 7.800 8.000 7.600 | 7.800 7.700 7.800 7.700 |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT PLAN | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | DIST. SYSTEM PEDEN BLVD FREE FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|---------------|----------------|----------------------------|--|---|---|---|
| | CHEMISTRY (| FIELD) | | | | |
| LD TEMPERATUR | E (DEG.C) | | DET'N LIMIT = N/A | GUI | DELINE = 15 (A3) | |
| 1991 JAN | 1.000 | .000 | .000 | 2.000 | 4.500 | 8.500 |
| 1991 FEB | • | • | | | 4.000 | 8.000 |
| 1991 MAR | .500 | 1.000 | in a | 3.000 | 4.000 | 6.000 |
| 1991 APR | 5.000 | 5.000 | 5.000 | 8.000 | | |
| 1991 MAY | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 11.500 |
| 1991 JUN | 15.500 | 15.500 | 12.000 | 12.000 | 14.500 | 15.000 |
| 1991 JUL | 19.400 | 20.000 | 18.000 | 17.000 | . v : | 2 . |
| 1991 AUG | 21.300 | 22.000 | | | 20.000 | 19.000 |
| 1991 SEP | 18.000 | 18.000 | 17.000 | 17.000 | 16.000 | 18.000 |
| 1991 OCT | 12.000 | 10 15 15 15 15 | 14.000 | 15.000 | 14.000 | 15.000 |
| 1991 NOV | 7.000 | 7.500 | 10.000 | 11.000 | 11.000 | 20.000 |
| 1992 JAN | 1.000 | 1.000 | 1.000 | 2.000 | Salata esta | 477741144444444444444444444444444444444 |
| 1992 APR | 3.000 | 3.000 | 3.000 | 5.000 | (i) | • |
| 1992 JUL | 17,000 | 17,000 | 17,000 | 17.000 | · · | 2 " |
| 1992 OCT | 11.000 | 13.000 | 13.000 | 13.000 | | 9 . |
| LD TURBIDITY | (FTU) | * | DET'N LIMIT = N/A | GUI | DELINE = 1.0 (A1) | , |
| 1991 JAN | 1.200 | .340 | .510 | .440 | .440 | .430 |
| 1991 FEB | .640 | .390 | | N•1 | .400 | .480 |
| 1991 MAR | .920 | .410 | .480 | .460 | .500 | .390 |
| 1991 APR | 1.100 | .320 | .510 | .470 | , Y., | |
| 1991 MAY | 780 | .250 | .610 | .560 | .360 | .350 |
| 1991 JUN | .920 | .420 | .350 | .360 | .390 | .390 |
| 1991 JUL | 1.200 | .650 | .540 | .580 | • | a savesados |
| 1991 AUG | .850 | .400 | 01/25 Telecir | | .370 | .340 |
| 1991 SEP | .940 | .430 | .400 | .420 | .320 | .350 |
| 1991 OCT | .730 | .340 | .380 | .480 | .400 | .440 |
| 1991 NOV | .860 | .440 | .400 | .460 | .380 | .400 |
| 1992 JAN | .980 | .370 | .360 | .580 | • | |
| 1992 APR | 1.300 | .460 | .430 | .520 | | |
| 1992 JUL | .650 | .400 | .360 | .560 | • | |
| 1992 OCT | .820 | .380 | .440 | .500 | #5X | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT PLANT | TREATMENT PLANT TREATED | | DIST. SYSTEM ALDERSHOT AVE STANDING | | DIST. SYSTEM PEDEN BLVD STANDING |
|----------------|-----------------|----------------------------|-------------------|---|--|--|
| | CHEMISTRY (LA | ABORATORY) | | | | |
| ALKALINITY (MG | | | DET'N LIMIT = 0.2 | GU | IDELINE = 30-500 (| (A4) |
| 1991 JAN | 100.600 | 96.300 | 95.600 | 95.700 | 95.800 | 95.900 |
| 1991 FEB | 100.900 | 95.400 | =• | | 96.700 | 96.700 |
| 1991 MAR | 102.500 | 97.900 | 98.900 | 98.800 | 98.100 | 98.500 |
| 1991 APR | 104.500 | 95.300 | 95.500 | 96.000 | | |
| 1991 MAY | 98.500 | 94.100 | 96.200 | 94.200 | 98.000 | 95.800 |
| 1991 JUN | 100,600 | 94.800 | 95.800 | 95.800 | 96.500 | 96.500 |
| 1991 JUL | 96.700 | 90.800 | 91.800 | 91.300 | NO. 600 / 10 | • |
| 1991 AUG | 93.300 | 86.600 | 4.5 | ************************************** | 87.600 | 87.800 |
| 1991 SEP | 92.200 | 86.400 | 89.600 | 89.300 | 89.300 | 89.700 |
| 1991 OCT | 96.600 | 88.900 | 89.300 | 89.800 | 90.000 | 89.500 |
| 1991 NOV | 94.100 | 89.300 | 91.800 | 91.300 | 89.700 | 89.900 |
| 1992 JAN | 95.300 | 91.200 | 93.100 | 90.900 | | |
| 1992 APR | 97.100 | 92.700 | 93.000 | 93.400 | | 7.0 |
| 1992 JUL | 95.600 | 91.300 | 91.800 | 91.200 | | |
| 1992 OCT | 96.500 | 91.500 | 91.400 | 91,100 | • | • |
| CALCIUM (MG/L | , | | DET'N LIMIT = 0.2 | O GU | IDELINE = 100 (F2) |) |
| 1991 JAN | 40,400 | 39.700 | 40,100 | 40.500 | 40.900 | 41,400 |
| 1991 FEB | 40.700 | 40.900 | 1 1222127 | | 41.000 | 40.700 |
| 1991 MAR | 40.600 | 39.600 | 40.600 | 40.600 | 40.000 | 40.400 |
| 1991 APR | 40.800 | 41.600 | 41.400 | 40.800 | | **** |
| 1991 MAY | 40.800 | 41,600 | 41,200 | 41.200 | 41.000 | 42.000 |
| 1991 JUN | 39.000 | 39.000 | 39.600 | 39.600 | 39,600 | 39.400 |
| 1991 JUL | 38.600 | 38.600 | 38,600 | 39.200 | | |
| 1991 AUG | 36.000 | 35.800 | | | 36,200 | 36.800 |
| 1991 SEP | 35.700 | 36.500 | 38.200 | 38.000 | 38.800 | 38.200 |
| 1991 OCT | 38.200 | 38.600 | 39.200 | 38.200 | 38.600 | 38.200 |
| 1991 NOV | 36.200 | 36.900 | 37.300 | 37.100 | 37.000 | 36.600 |
| 1992 JAN | 37.900 | 37.700 | 35.900 | 37.000 | | |
| 1992 APR | 37.650 | 37.750 | 37.700 | 37.450 | 1 | |
| 1992 JUL | 37.250 | 36.650 | 36.950 | 37.150 | | |
| 1992 OCT | 37.150 | 36.900 | 37.750 | 37.450 | • | : |
| CYANIDE (MG/L |) | | DET'N LIMIT = 0.0 | 01 GL | DIDELINE = 0.2 (A1 |) |
| 26 SAMPLES | BDL | BDL | 7.9 | * | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| = al | TREATMENT PLANT | TREATMENT PLANT TREATED | ALDERSHOT AVE | DIST. SYSTEM ALDERSHOT AV STANDING | E PEDEN BLVD | DIST. SYSTEM PEDEN BLVD STANDING |
|----------------|--|---|---|--|---|--|
| | CHEMISTRY (LA | BORATORY) | | | | |
| CHLORIDE (MG/L |) | | DET'N LIMIT = 0. | 20 | GUIDELINE = 250 (A3) |) × |
| 1991 JAN | 22.100 | 22.700 | 22.400 | 22.500 | 22.900 | 22.800 |
| 1991 FEB | 21.600 | 22.300 | | | 22.400 | 22.400 |
| 1991 MAR | 21.600 | 22.500 | 22.400 | 22.300 | 22.300 | 22.200 |
| 1991 APR | 21.000 | 21.600 | 21.600 | 21.600 | • | o 2 d 📦 . |
| 1991 MAY | 20.100 | 21.600 | 21.600 | 21.500 | 21.600 | 21.600 |
| 1991 JUN | 20.900 | 22.300 | 23.000 | 23.000 | 22.400 | 22.300 |
| 1991 JUL | 22.300 | 23.800 | 23.300 | 23.400 | . " | |
| 1991 AUG | 22,100 | 23,500 | Vi Total State of the late | 1 | 24.200 | 23.800 |
| 1991 SEP | 22.000 | 23.500 | 24.200 | 23.700 | 23.900 | 23.800 |
| 1991 OCT | 22.100 | 23,600 | 24.300 | 24,400 | 24.600 | 24.700 |
| 1991 NOV | 22.000 | 23.100 | 23.100 | 23.000 | 23.500 | 23.400 |
| 1992 JAN | 21.600 | 22,700 | 22,900 | 22.800 | | |
| 1992 APR | 21.200 | 21.900 | 22.000 | 21.900 | | 17 10 |
| 1992 JUL | 21.100 | 22.500 | 22.600 | 22.600 | 7.00 | |
| 1992 OCT | 21.300 | 22.800 | 22.500 | 22.500 | • | s ~ ~ ~ ~ |
| COLOUR (HZU |) | | DET'N LIMIT = 0. | 50 | GUIDELINE = 5 (A3) | |
| 1991 JAN | 2.500 | 1.000 <t< td=""><td>1.000 <t< td=""><td>1.000</td><td><t 1.500="" <t<="" td=""><td>1.500 <t< td=""></t<></td></t></td></t<></td></t<> | 1.000 <t< td=""><td>1.000</td><td><t 1.500="" <t<="" td=""><td>1.500 <t< td=""></t<></td></t></td></t<> | 1.000 | <t 1.500="" <t<="" td=""><td>1.500 <t< td=""></t<></td></t> | 1.500 <t< td=""></t<> |
| 1991 FEB | 2.000 <t< td=""><td>1.500 <t< td=""><td>•</td><td></td><td>4.500</td><td>1.500 <t< td=""></t<></td></t<></td></t<> | 1.500 <t< td=""><td>•</td><td></td><td>4.500</td><td>1.500 <t< td=""></t<></td></t<> | • | | 4.500 | 1.500 <t< td=""></t<> |
| 1991 MAR | 3.000 | 1.500 <t< td=""><td>2.000 <t< td=""><td>2.000</td><td><t 2.500<="" td=""><td>2.500</td></t></td></t<></td></t<> | 2.000 <t< td=""><td>2.000</td><td><t 2.500<="" td=""><td>2.500</td></t></td></t<> | 2.000 | <t 2.500<="" td=""><td>2.500</td></t> | 2.500 |
| 1991 APR | 4.000 | 1.500 <t< td=""><td>2.000 <t< td=""><td>2.500</td><td></td><td></td></t<></td></t<> | 2.000 <t< td=""><td>2.500</td><td></td><td></td></t<> | 2.500 | | |
| 1991 MAY | 4.000 | 1.500 <t< td=""><td>2.000 <t< td=""><td>2.500</td><td>1.500 <t< td=""><td>2.000 <t< td=""></t<></td></t<></td></t<></td></t<> | 2.000 <t< td=""><td>2.500</td><td>1.500 <t< td=""><td>2.000 <t< td=""></t<></td></t<></td></t<> | 2.500 | 1.500 <t< td=""><td>2.000 <t< td=""></t<></td></t<> | 2.000 <t< td=""></t<> |
| 1991 JUN | 3.000 | 1.500 | 1.500 | 1.500 | 2.000 | 2.000 |
| 1991 JUL | 2.000 | .500 <t< td=""><td>1.000</td><td>1.500</td><td>7.</td><td></td></t<> | 1.000 | 1.500 | 7. | |
| 1991 AUG | 1.500 | .500 <t< td=""><td></td><td></td><td>1.000</td><td>1.000 <t< td=""></t<></td></t<> | | | 1.000 | 1.000 <t< td=""></t<> |
| 1991 SEP | 2.500 | 1.000 | .500 <t< td=""><td>1.500</td><td>1.000</td><td>1.000</td></t<> | 1.500 | 1.000 | 1.000 |
| 1991 OCT | 2.000 | 1.000 <t< td=""><td>1.000 <t< td=""><td>1,500</td><td>2.500</td><td>1.000</td></t<></td></t<> | 1.000 <t< td=""><td>1,500</td><td>2.500</td><td>1.000</td></t<> | 1,500 | 2.500 | 1.000 |
| 1991 NOV | 1.000 <t< td=""><td>BDL</td><td>.500 <t< td=""><td>1.000</td><td>.500 <t< td=""><td>.500 <t< td=""></t<></td></t<></td></t<></td></t<> | BDL | .500 <t< td=""><td>1.000</td><td>.500 <t< td=""><td>.500 <t< td=""></t<></td></t<></td></t<> | 1.000 | .500 <t< td=""><td>.500 <t< td=""></t<></td></t<> | .500 <t< td=""></t<> |
| 1992 JAN | 2.000 | 1.000 <t< td=""><td>1.500</td><td>1.500</td><td></td><td></td></t<> | 1.500 | 1.500 | | |
| 1992 APR | 2.000 | .500 <t< td=""><td>BDL</td><td>BDL</td><td></td><td>⊕ 1€2</td></t<> | BDL | BDL | | ⊕ 1€2 |
| 1992 JUL | 3.000 | 1.000 <t< td=""><td>2,500</td><td>2.000</td><td></td><td></td></t<> | 2,500 | 2.000 | | |
| 1992 OCT | 2.000 | .500 <t< td=""><td>2.000</td><td>2.000</td><td>a 8 👼 🔻</td><td>550 600 E</td></t<> | 2.000 | 2.000 | a 8 👼 🔻 | 550 600 E |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT PLANT RAW | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | | DIST. SYSTEM PEDEN BLVD STANDING |
|--------------|--|----------------------------|--|---|--------------------|----------------------------------|
| | CHEMISTRY (L/ | ABORATORY) | *************************************** | | | |
| CONDUCTIVITY | (UMHO/CM) | | DET'N LIMIT = 1.0 | GU | IDELINE = 400 (F2) | N Tes |
| 1991 JAN | 313 | 316 | 315 | 315 | 316 | 317 |
| 1991 FEB | 313 | 315 | | 313 | 316 | 317 |
| 1991 FEB | 313 | 316 | 316 | 308 | 315 | 316 |
| | 309 | 309 | 308 | 309 | 313 | 310 |
| 1991 APR | 293 | 296 | 296 | 296 | 297 | 298 |
| 1991 MAY | | | 316 | 315 | 316 | 316 |
| 1991 JUN | 312 | 314 307 | 304 | 303 | 310 | |
| 1991 JUL | 305 | | 304 | 303 | 701 | 301 |
| 1991 AUG | 297 | 298 | 707 | 707 | 301 | |
| 1991 SEP | | 309 | 307 | 307 | 307 | 308 |
| 1991 OCT | 308 | 310 | 312 | 310 | . 311 | 310 |
| 1991 NOV | 307 | 309 | 310 | 309 | 310 | 311 |
| 1992 JAN | 319 | 320 | 322 | 321 | | |
| 1992 APR | | 306 | 306 | 308 | • : | |
| 1992 JUL | 311 | 313 | 313 | 311 | • | • |
| 1992 OCT | 303 | 306 | 306 | 306 | - | |
| ISS ORG CAR | BON (MG/L) | | DET'N LIMIT = 0.1 | O GU | IDELINE = 5.0 (A3 |) |
| 1991 JAN | 2.100 | 2.200 | 2.000 | 2.200 | 2.100 | 2.000 |
| 1991 FEB | | 2.000 | | • | 2.000 | 1.900 |
| 1991 MAR | 2.300 | 2.300 | 2.200 | 2.300 | 2.400 | 2.300 |
| 1991 APR | | 2.100 | 2.100 | 2.100 | | |
| 1991 MAY | | 2.200 | 2.400 | 2.400 | 2.200 | 2.300 |
| 1991 JUN | 2.300 | 2,400 | 2.300 | 2.300 | 2.200 | 2,400 |
| 1991 JUL | 1.900 | 1.900 | 1.800 | 1.900 | | |
| 1991 AUG | 2.200 | 2,300 | | | 2.200 | 2.200 |
| 1991 SEP | | 2.000 | 2.000 | 1.900 | 1.900 | 550 F A 71 A 5 A 5 A |
| 1991 OCT | 1.900 | 1.900 | 1.800 | 1.800 | | 1.800 |
| 1991 NOV | 2.000 | 1.900 | 1.800 | 1.900 | 1.900 | 2,100 |
| 1992 JAN | | 2.100 | 2.000 | 2.000 | pon | |
| 1992 APR | 30 ATT (100 TO 100 TO 1 | 2.000 | 2.200 | 2.300 | | • |
| 1992 APK | | 1.900 | 1.800 | 1.800 | | • |
| | 1.900 | 2.200 | 2.100 | 2.200 | • | |
| 1992 OCT | 1.900 | 2.200 | 2.100 | 2.200 | 1.0 | () |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT PLANT | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | ALDERSHOT AVE | | PEDEN BLVD |
|------------------------|-----------------|---|--|-------------------|-------------------|------------|
| | CHEMISTRY (L | ABORATORY) | , | | | |
| FLUORIDE (MG/L | .) | eud Selection (1970) en en les Collisies (College) (1970) et les Colleges (1970) et les Co | DET'N LIMIT = 0.0 |)1 GUI | DELINE = 1.5 (A1) |) |
| E SAME SAME SAME | | | E 000 | | | |
| 1991 JAN | .120 | 1.260 | 1.440 | 1.400 | 1.360 | 1.380 |
| 1991 FEB | .120 | 1.480 | | | 1.280 | 1.320 |
| 1991 MAR | .120 | 1.260 | 1.000 | 1.060 | 1.080 | 1.100 |
| 1991 APR | .120 | 1.100 | 1.120 | 1.120 | | V |
| 1991 MAY | .100 | 1.640 | 1.520 | 1.460 | 1.360 | 1.360 |
| 1991 JUN | .120 | 1.360 | 1.340 | .080 | 1.340 | 1.320 |
| 1991 JUL | .120 | 1.200 | 1.280 | 1.240 | | |
| 1991 AUG | .120 | 1.460 | 1444 | | 1.420 | 1.420 |
| 1991 SEP | .120 | 1.620 | 1.380 | 1.540 | 1.520 | 1.500 |
| 1991 OCT | .120 | 1.500 | 1.560 | 1.300 | 1.300 | 1.280 |
| 1991 NOV | .120 | 1.240 | 1.200 | 1.200 | 1.300 | 1.300 |
| 1992 JAN | .100 | 1.000 | 1.100 | 1.180 | | 1177 |
| 1992 APR | .120 | 1.280 | 1.400 | 1.400 | 165 E | |
| 1992 JUL | .140 | 1.180 | 1.000 | .900 | | 100 |
| 1992 OCT | .140 | 1.680 | 1.640 | 1.680 | | v v se |
| IARDNESS (MG/L |) | | DET'N LIMIT = 0.5 | GUI | DELINE = 80-100 (| (A4) |
| 1991 JAN | 135.300 | 133.900 | 134.700 | 135.500 | 137,900 | 138.400 |
| 1991 FEB | 136.400 | 136.300 | | 5 2g | 136.800 | 135.800 |
| 1991 MAR | 136.000 | 133.000 | 137.000 | 136.000 | 135.000 | 134.000 |
| 1991 APR | 136.000 | 137.000 | 137.000 | 137.000 | | A 10 NASAS |
| 1991 MAY | 134.000 | 137.000 | 135.000 | 138.000 | 136.000 | 138.000 |
| 1991 JUN | 131.000 | 132.000 | 131.000 | 133.000 | 132.000 | 132.000 |
| 1991 JUL | 131.000 | 131.000 | 130.000 | 132.000 | | .52.1550 |
| 1991 AUG | 124.000 | 124.000 | 15 5 5 5 5 5 | 15 mm. mm. mm. (6 | 125.000 | 126.000 |
| 1991 SEP | 123.500 | 126.500 | 131.000 | 131.000 | 133.000 | 132.000 |
| 1991 OCT | 130.000 | 132.000 | 133.000 | 130.000 | 131.000 | 129.000 |
| 1991 NOV | 125.700 | 128.000 | 128.700 | 129.800 | 128.300 | 127.000 |
| 1992 JAN | 130.000 | 130.200 | 125.500 | 128.800 | | .2 |
| 1992 APR | 128.500 | 128.400 | 127.300 | 126.400 | | il. |
| 1200 E-1200 D-1200 D-1 | 127.350 | 125.590 | 126.530 | 127.300 | • | |
| 1992 JUL | | | | | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | ALDERSHOT AVE | PEDEN BLVD | |
|---------------|--------------|----------------------------|---|---------------|--------------------|-------------------|
| | CHEMISTRY (L | | | | | |
| ONCAL (DMNSLE | SS) | | DET'N LIMIT = N/A | GUI | DELINE = N/A | |
| 1991 JAN | .691 | .703 | 2.643 | 2.746 | | |
| 1991 FEB | 2.098 NAF | 4.605 NAF | - 4 | • | 3.623 NAF | 3.204 NA |
| 1991 MAR | 1.717 NAF | .541 NAF | 2.856 NAF | 2.546 NAF | 2.657 NAF | 1.611 NA |
| 1991 APR | .169 NAF | 5.043 NAF | 4.381 NAF 3.933 NAF .592 NAF 1.690 NAF | 4.136 NAF | | |
| 1991 MAY | 4.056 NAF | 6.534 NAF | 3.933 NAF | 7.533 NAF | 3.129 NAF | 5.761 NA |
| 1991 JUN | .074 NAF | 1.350 NAF | .592 NAF | 1.403 NAF | 1.770 NAF | |
| 1991 JUL | 1.292 NAF | 2.623 NAF | 1.690 NAF | 3.994 NAF | | |
| 1991 AUG | .490 | 1.813 | 20 | 8.5 | 1.284 | 1,238 |
| 1991 SEP | .181 NAF | 3.351 NAF | 4.737 NAF | 5.260 NAF | 7.647 NAF | 5.609 NA |
| 1991 OCT | .638 NAF | | 3.421 NAF | 1.540 NAF | 3.111 NAF | 1.497 NA |
| 1991 NOV | 1.357 | 4 304 | 2.682 NAF | 4.045 NAF | 3.111 NAF 2.306 | 5.169 |
| 1992 JAN | 2.077 | 3.875 | .771 | 2.300 | | |
| 1992 APR | .187 | 2.177 | 1.437 | | | 9570 |
| 1992 JUL | 741 | .465 | 1.228 | | | (1.) |
| 1992 OCT | .013 | 1.065 | 2.676 | 2.230 | | • |
| OTASSIUM (MG/ | L) | | DET'N LIMIT = 0.0 | 1 GUI | DELINE = 10 (F2) | |
| 1991 JAN | 1.490 | 1,490 | 1.630 | 1.630 | 1,590 | 1.560 |
| 1991 FEB | 1.560 | 1.580 | | | 1.580 | |
| 1991 MAR | 1.550 | 1.500 | 1.600 | 1.750 | 1.600 | 1.550 |
| 1991 APR | 1.400 | 1.450 | 1.400 | 1.400 | | |
| 1991 MAY | 1.400 | 1.400 | 1.450 | 1.400 | 1.400 | 1.450 |
| 1991 JUN | 1.450 | 1.500 | 1.500 | 1.500 | 1.550 | |
| 1991 JUL | 1.350 | 1.400 | 1.400 | 1.400 | | 1 |
| 1991 AUG | 1.500 | 1.500 | 1.400 | 1.400 | 1.450 | 1.550 |
| 1991 SEP | 1.410 | 1.510 | 1.600 | 1.550 | 1.700 | |
| 1991 OCT | 1.700 | | 1.700 | 1.700 | | 1.650 |
| | 1.540 | 1.590 | 1.520 | 1.560 | | |
| 1992 JAN | 1.410 | 1.510 | 1.430 | 1.470 | | |
| 1992 APR | 1.498 | 1.520 | 1.540 | 1.513 | • | • |
| 1992 APK | | 1.497 | 1.500 | 1.525 | | |
| 1772 JUL | 1.304 | 1.471 | 1.500 | 1.763 | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMEN RAW | T PLAN1 | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | | |
|-------------|-----------------|---------|----------------------------|--|---|---------------------------------------|--|
| | CHEMI | STRY (L | ABORATORY) | | | | |
| ANGELIERS 1 | NDEX (DMNSL | ESS) | | DET'N LIMIT = N/A | , (| SUIDELINE = N/A | ji së |
| 1991 JAN | | 436 | .170 | .201 | .176 | .270 | .256 |
| 1991 FEB | | 401 NAF | | | | .195 | |
| 1991 MAR | | 497 | .436 | .481 | .451 | .421 | .437 |
| 1991 APR | 575. | 438 | .186 | .245 | .211 | | |
| 1991 MAY | | 488 | .315 | .411 | .301 | .346 | .366 |
| 1991 JUN | | 491 | .325 | .316 | .226 | | .407 |
| 1991 JUL | | 401 NAF | | | .294 N | | .407 |
| 1991 AUG | | 408 | .203 | .307 NAT | | .082 | .080 |
| 1991 SEP | | 336 | .277 | .373 | .369 | .368 | .343 |
| 1991 OCT | | 425 | .243 | .202 | .213 | .278 | .232 |
| 1991 NOV | | 131 | .056 | .152 | .138 | .009 | |
| 1992 JAN | | 455 | .373 | .401 | .363 | .009 | 005 |
| 1992 APR | | 402 | .293 | .343 | .312 | · · · · · · · · · · · · · · · · · · · | • |
| 1992 JUL | - | 519 | .302 | .308 | | • | |
| 1992 OCT | | 394 | .257 | .156 | .368 | • | χ - - - - - - - - - |
| | ······ | | .231 | . 130 | .192 | • | |
| AGNESIUM (M | IG/L) | | | DET'N LIMIT = 0.1 | . 6 | SUIDELINE = 30.0 | (F2) |
| 1991 JAN | 8. | 400 | 8.450 | 8.400 | 8.400 | 8.700 | 8.550 |
| 1991 FEB | 8. | 450 | 8.250 | | | 8.350 | 8.300 |
| 1991 MAR | 8. | 500 | 8.300 | 8.700 | 8.500 | 8.500 | 8.200 |
| 1991 APR | 8. | 300 | 8.100 | 8.100 | 8,400 | | |
| 1991 MAY | 7. | 900 | 8.000 | 7.800 | 8.600 | 8.100 | 8.000 |
| 1991 JUN | 8. | 200 | 8.200 | 7.800 | 8.200 | 8.000 | 8.200 |
| 1991 JUL | 8. | 500 | 8.500 | 8.200 | 8,400 | | |
| 1991 AUG | 8. | 300 | 8.400 | | | 8.400 | 8.300 |
| 1991 SEP | | 350 | 8.550 | 8.600 | 8.600 | 8.900 | 8.800 |
| 1991 OCT | | 500 | 8,600 | 8.500 | 8.300 | 8,400 | 8.200 |
| 1991 NOV | | 550 | 8.750 | 8.650 | 9.000 | 8.700 | 8.700 |
| 1992 JAN | | 500 | 8.750 | 8.700 | 8.850 | 5.700 | . 0.700 |
| 1992 APR | | 350 | 8.300 | 8.050 | 7.990 | | |
| | | | | V.E.G. (C) | | | • |
| 1992 JUL | R | 330 | 8.290 | 8.320 | 8.390 | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT PLANT | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | | | |
|-------------|--|---|--|--------|-------------------|----------|
| | CHEMISTRY (L/ | ABORATORY) | | | | |
| ODIUM (MG/L |) | | DET'N LIMIT = 0.2 | 20 GL | JIDELINE = 200 (A | 4) |
| 1991 JAN | 11.000 | 10,900 | 11.000 | 10.800 | 10,900 | 11.600 |
| 1991 FEB | 11.400 | 11.600 | | | 11.300 | 11.400 |
| 1991 MAR | 11.400 | 11.200 | 11.000 | 11.200 | 11.400 | 10.800 |
| 1991 APR | 10.800 | 10.800 | 10,600 | 10.800 | , | |
| 1991 MAY | 10.800 | 10.800 | 11.000 | 11.200 | 10.800 | 10,600 |
| 1991 JUN | 11.000 | 10.800 | 11.000 | 10.800 | 11,200 | 11.000 |
| 1991 JUL | 11.800 | 11.400 | 11.200 | 11.400 | | |
| 1991 AUG | 12.000 | 11.800 | | | 11.600 | 11.000 |
| 1991 SEP | 2. Table 2. San 2. | 12.100 | 12.400 | 12.400 | 12,600 | 12.400 |
| 1991 OCT | 12.000 | 11.800 | 11.000 | 11.400 | 12,200 | 11,600 |
| 1991 NOV | 17.55.55 | 12.100 | 11,600 | 11.700 | 12.000 | 12.100 |
| 1992 JAN | 12.500 | 12.500 | 12.200 | 12.000 | ,,,,,,,, | |
| 1992 APR | | 11.670 | 11.690 | 11.580 | - 2 | |
| 1992 JUL | | 11.490 | 11.580 | 11.640 | | |
| 1992 OCT | | 11.710 | 11.640 | 11.700 | a * | • |
| MMONIUM TOT | AL (MG/L) | • | DET'N LIMIT = 0. | 002 G | JIDELINE = 0.05 (| F2) |
| 1991 JAN | .004 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td></t<> | BDL | BDL | BDL | BDL | BDL |
| 1991 FEB | | .002 <t< td=""><td>•</td><td>•</td><td>.002 <</td><td>T .006 <</td></t<> | • | • | .002 < | T .006 < |
| 1991 MAR | BDL | BOL | BDL | BOL | .006 < | T .004 < |
| 1991 APR | .012 | .004 <t< td=""><td>.006 <t< td=""><td>.004 <</td><td>ī .</td><td>•</td></t<></td></t<> | .006 <t< td=""><td>.004 <</td><td>ī .</td><td>•</td></t<> | .004 < | ī . | • |
| 1991 MAY | BDL | .018 | BDL | .006 < | T BDL | BDL |
| 1991 JUN | .024 | .006 <t< td=""><td>.002 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td></t<></td></t<> | .002 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td></t<> | BDL | BDL | BDL |
| 1991 JUL | .022 | .010 | .008 <t< td=""><td>.002 <</td><td>τ.</td><td></td></t<> | .002 < | τ. | |
| 1991 AUG | .014 | BDL | | | .006 < | T .002 < |
| 1991 SEP | .010 | BDL | .002 <t< td=""><td>.004 <</td><td>T .004 <</td><td>T .004 <</td></t<> | .004 < | T .004 < | T .004 < |
| 1991 OCT | | BDL | .002 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td></t<> | BDL | BDL | BDL |
| 1991 NOV | | BDL | BDL | .002 < | T .002 < | T .002 < |
| 1992 JAN | | .002 <t< td=""><td>.004 <t< td=""><td>.002 <</td><td>r .</td><td></td></t<></td></t<> | .004 <t< td=""><td>.002 <</td><td>r .</td><td></td></t<> | .002 < | r . | |
| 1992 APR | | BDL | BDL | BDL | | |
| 1992 JUL | .012 | .002 <t< td=""><td>.002 <t< td=""><td>BOL</td><td></td><td>•</td></t<></td></t<> | .002 <t< td=""><td>BOL</td><td></td><td>•</td></t<> | BOL | | • |
| 1992 OCT | .024 | .002 <t< td=""><td></td><td>.004 <</td><td>T</td><td></td></t<> | | .004 < | T | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| 1991 JAN 1991 FEB 1991 MAR 1991 APR 1991 JUN 1991 JUN 1991 JUN 1991 AUG 1991 OCT 1991 NOV 1992 JAN 1992 APR 1992 JUL 1992 OCT | N B R | .00 | 303.533 | 5 | SORATOR | (Y) | | | | | | | | | | | |
|--|--|------|---------|-----|---------|------|---|---------------|--|-----|-------|--|---------|------------------|--|------|-----------------------|
| 1991 JAN 1991 FEB 1991 MAR 1991 APR 1991 JUN 1991 JUN 1991 SEP 1991 OCT 1991 NOV 1992 JAN 1992 APR 1992 OCT | N B R | .00 | | | 1 | | | | | | | * | | | | | |
| 1991 FEB 1991 MAR 1991 APR 1991 JUN 1991 JUN 1991 JUL 1991 AUG 1991 SEP 1991 OCT 1991 NOV 1992 JAN 1992 APR 1992 JUL 1992 OCT | B R R | .00 | | | | | | DET'N LIMIT : | = 0. | 001 | | GUID | ELINE = | 1.0 | (A1) | ğ | |
| 1991 MAR 1991 APR 1991 JUN 1991 JUN 1991 JUL 1991 AUG 1991 OCT 1991 NOV 1992 JAN 1992 APR 1992 JUL 1992 OCT | R R | .00 | 11 <1 | 22 | | .001 | <t< th=""><th>.001</th><th><t< th=""><th></th><th>.001</th><th><T</th><th>J.</th><th>.001</th><th><₹</th><th>.001</th><th><T</th></t<></th></t<> | .001 | <t< th=""><th></th><th>.001</th><th><T</th><th>J.</th><th>.001</th><th><₹</th><th>.001</th><th><T</th></t<> | | .001 | < T | J. | .001 | <₹ | .001 | < T |
| 1991 APR 1991 MAY 1991 JUN 1991 JUL 1991 AUG 1991 OCT 1991 NOV 1992 JAN 1992 APR 1992 JUL 1992 OCT | R | | | | | .001 | <t< td=""><td></td><td></td><td></td><td>(Se)</td><td></td><td></td><td>.001</td><td><t< td=""><td>.001</td><td><t< td=""></t<></td></t<></td></t<> | | | | (Se) | | | .001 | <t< td=""><td>.001</td><td><t< td=""></t<></td></t<> | .001 | <t< td=""></t<> |
| 1991 MAY 1991 JUN 1991 JUL 1991 AUG 1991 SEP 1991 OCT 1991 NOV 1992 JAN 1992 APR 1992 JUL 1992 OCT | | |)1 <1 | i . | | BDL | | BDL | ÿ | | BDL | | | BDL | | BDL | . 1 |
| 1991 JUN 1991 JUL 1991 AUG 1991 SEP 1991 OCT 1991 NOV 1992 JAN 1992 APR 1992 JUL 1992 OCT | Y | .00 |)2 <1 | 2 | | BDL | | BDL | | | BDL | | | | | | |
| 1991 JUL 1991 AUG 1991 SEP 1991 OCT 1991 NOV 1992 JAN 1992 APR 1992 JUL 1992 OCT | | .00 |)2 <1 | • | | BDL | | BDL | | | BDL | | 3 , = | BDL | | BDL | |
| 1991 JUL 1991 AUG 1991 SEP 1991 OCT 1991 NOV 1992 JAN 1992 APR 1992 JUL 1992 OCT | N | .00 |)4 <1 | | | BDL | | BDL | | | .001 | <t< td=""><td></td><td>.001</td><td><t< td=""><td>.001</td><td><t< td=""></t<></td></t<></td></t<> | | .001 | <t< td=""><td>.001</td><td><t< td=""></t<></td></t<> | .001 | <t< td=""></t<> |
| 1991 AUG 1991 SEP 1991 OCT 1991 NOV 1992 JAN 1992 APR 1992 JUL 1992 OCT | | .00 | 14 <1 | 2 | | BDL | | .001 | <t< td=""><td></td><td>.001</td><td><t< b=""></t<></td><td></td><td></td><td></td><td></td><td></td></t<> | | .001 | <t< b=""></t<> | | | | | |
| 1991 SEP 1991 OCT 1991 NOV 1992 JAN 1992 APR 1992 JUL 1992 OCT | | |)4 <1 | | | BDL | | | | | | | | .001 | | .002 | <t< b=""></t<> |
| 1991 OCT 1991 NOV 1992 JAN 1992 APR 1992 JUL 1992 OCT | | .01 | | | | BDL | | .001 | | | .001 | | | .001 | | .001 | <t< td=""></t<> |
| 1991 NOV 1992 JAN 1992 APR 1992 JUL 1992 OCT | | | 14 <1 | 3 | | .001 | | BDL | | | BDL | | | .001 | | .001 | |
| 1992 JAN 1992 APR 1992 JUL 1992 OCT | | |)2 <1 | | | BDL | | .001 | | .0 | BDL | | | .001 | - 20 | BDL | 100 |
| 1992 APR 1992 JUL 1992 OCT | | | 3 <1 | | | .002 | | .002 | (4) | | .002 | | | | 188 | | |
| 1992 JUL 1992 OCT | A Committee of the Comm | | 3 <1 | | | .001 | | BDL | 200 | | BDL | 3.0 | | 1. T. | | į. | |
| 1992 OCT | | .0 | | | | .001 | | .002 | eT. | | .002 | <t< td=""><td></td><td>)=.</td><td></td><td>ē-</td><td></td></t<> | |) = . | | ē- | |
| | | .00 | | | | .001 | | .002 | | | .002 | | | | | | |
| ITRATE /TO | | | | | | | | | | | | | | | | | |
| TIKATE (TO | OTAL) (| MG/L |) | | | | | DET'N LIMIT | = 0. | 005 | | GUID | ELINE = | 10.0 | (A1) | | |
| 1991 JAN | N . | .30 | 0 | - | | .295 | | .290 | | | .295 | 50 | | .285 | | .290 | jį. |
| 1991 FEB | В | .31 | 0 | | ** | .315 | | A × | | | | | | .310 | 2 | .305 | ja s |
| 1991 MAR | R | .31 | 5 | | | .320 | | .310 | | - 8 | .320 | | | .325 | | .320 | |
| 1991 APR | R | .32 | 20 | | | .310 | | .325 | | | .315 | | | | | • | |
| 1991 MAY | Y | .28 | 30 | | | .325 | | .300 | | | .315 | | | .260 | | .325 | į. |
| 1991 JUN | N | .23 | 55 | | | .240 | | .235 | | | .240 | | | .240 | | .240 | 13 |
| 1991 JUL | L | .17 | 75 | | | .180 | | .180 | | | .175 | | | | | | |
| 1991 AUG | _ | .11 | | | i | .110 | | | 85 | | | | | .095 | | .100 | |
| 1991 SEP | | . 13 | | | | .130 | | .135 | | | . 135 | | | .130 | | .140 | |
| 1991 OCT | | .14 | | | | .150 | | .145 | | | . 140 | | | .145 | | .135 | |
| 1991 NOV | | .19 | | | | .180 | | .190 | 0. | | .190 | | | .180 | | .175 | |
| 1992 JAN | | .3 | | | | .285 | | .285 | | | .275 | | | | | | OIII |
| 1992 APR | | .3 | | | | .315 | | .320 | | | .310 | | | • | | • | |
| 1992 JUL | | .24 | | | | .210 | | .205 | | | .265 | | | • | | | |
| 1992 OCT | | .17 | | | | .175 | | .165 | | | .170 | | | • | | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | | | TREATMENT PLA | ANT TREATMENT PLAN TREATED | ALDERSHOT AVE FREE FLOW | | | | |
|------|-------|--------|---------------|-------------------------------|----------------------------|-------|-------------------|-------|-----|
| •••• | | | CHEMISTRY | (LABORATORY) | | | | | |
| NIT | ROGEN | TOT K | JELD (MG/L | | DET'N LIMIT = 0. | 02 GU | IDELINE = N/A | | |
| | 1991 | JAN | .210 | .160 | .190 | .180 | .180 | .210 | |
| | 1991 | FEB | .230 | .190 | | © 1 + | .190 | .200 | |
| | 1991 | | .220 | .200 | .230 | .230 | .320 | .200 | |
| | 1991 | | .250 | .200 | .220 | .230 | 100000000 | 12 | |
| | 1991 | | .240 | | .170 | .200 | .190 | .200 | |
| | 1991 | | .260 | .200 | .240 | .280 | .200 | .260 | |
| | 1991 | | .250 | .230 | .180 | .190 | | | |
| | 1991 | | .210 | . 160 | | * *** | .190 | .240 | |
| | 1991 | | .200 | .200 | .270 | .230 | .200 | .210 | |
| | 1991 | | .240 | .200 | .230 | .220 | .230 | .230 | |
| | 1991 | | .180 | .150 | .200 | .200 | .200 | .200 | |
| | 1992 | | .230 | .190 | .180 | .190 | | 4 | - 3 |
| | 1992 | | .270 | .210 | .230 | .230 | 22 | | |
| | 1992 | | .210 | | .190 | .200 | | 120 | |
| | 1992 | | .270 | .250 | .230 | .210 | | | |
| PH | (DMNS | LESS) | | | DET'N LIMIT = N/ | 'A GU | IDELINE = 6.5-8.5 | (A4) | |
| | | | | | | 0.070 | 0 120 | 9 100 | |
| | 1991 | | 8.270 | 8.030 | 8.060 | 8.030 | 8.120 | 8.100 | |
| | 1991 | | 8.230 | 8.090 | | | 8.040 | 8.050 | |
| | 1991 | | 8.320 | 8.290 | 8.320 | 8.290 | 8.270 | 8.280 | |
| | 1991 | | 8.250 | 8.030 | 8.090 | 8.060 | | | |
| | 1991 | | 8.320 | 8.160 | 8.250 | 8.150 | 8.180 | 8.200 | |
| | 1991 | | 8.340 | 8.200 | 8.180 | 8.090 | 8.250 | 8.270 | |
| | 1991 | | 8.270 | 8.250 | 8,200 | 8.180 | | · | |
| | 1991 | | 8.320 | 8.150 | • | | 8.020 | 8.010 | |
| | 1991 | SEP | 8.260 | 8.220 | 8.280 | 8.280 | 8.270 | 8.250 | |
| | 1991 | | 8.300 | 8.150 | 8.100 | 8.120 | 8.180 | 8.140 | |
| | 1991 | NOV | 8.040 | 7.980 | 8.060 | 8.050 | 7.930 | 7.920 | |
| | 1992 | JAN | 8.340 | 8.280 | 8.320 | 8.280 | | | |
| | 1992 | APR | 8.280 | 8.190 | 8.240 | 8.210 | • | | |
| | 1992 | JUL | 8.410 | 8.220 | 8.220 | 8.280 | 2. € | 5 85 | |
| | 1992 | OCT | 8.280 | 8.170 | 8.060 | 8.100 | | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| en e | TREATMENT P | LANT | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | DIST. SYSTEM PEDEN BLVD FREE FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|----------------------|-------------|--|--|--|---|---|--|
| | CHEMISTR | Y (LA | BORATORY) | | • | * | |
| HOSPHORUS FIL | | | | DET'N LIMIT = 0. | 0005 GU | IDELINE = N/A | |
| 1991 JAN | BDL | | .002 | | | | |
| 1991 FEB | .000 | | .006 | • | (●) | | |
| 1991 MAR | BDL | , | .004 | 2 2 | € (●) | • | √07 (• |
| 1991 APR | .000 | | .006 | 3.0 | # NY ** | | • |
| 1991 MAY | .000 | | .010 | . • | | <u>*</u> | • |
| 1991 JUN | .000 | | .006 | 12 | | | |
| 1991 JUL | .000 | 2 2 | .006 | (<u>.</u> | | | |
| 1991 AUG | BDL | 2 0.000 | .006 | 1997 | | 1. | 3.0 |
| 1991 SEP | .000 | | .004 | 3.0 | • | • | 1,00 |
| 1991 OCT | BDL | | .003 | • | • | • | |
| 1991 NOV | .000 | | .002 | • | ži 💇 | • | |
| 1992 JAN | . BDL | | .000 <t< td=""><td></td><td></td><td>n 15</td><td></td></t<> | | | n 15 | |
| 1992 APR | BDL | | BDL | | In or any | (● | |
| 1992 JUL | .002 | | .006 | | n 🥙 | |) |
| 1992 OCT | BDL | 3 100.75 | BDL | • | 10 · | | \$ • \$ |
| HOSPHORUS TOTA | AL (MC/I | | • | DET'N LIMIT = 0. | 003 | IDELINE = 0.40 (F | · · · · · · · · · · · · · · · · · · · |
| nosi nokos 1017 | AL (NO/L | , | | DEI W CIMIT - U. | 002 GO | DELINE - 0.40 (F | د) |
| 1991 JAN | .007 | <t< td=""><td>.011</td><td>* *</td><td> I</td><td>1/24</td><td></td></t<> | .011 | * * | I | 1/24 | |
| 1991 FEB | .009 | <t< td=""><td>.013</td><td>250 241 *</td><td></td><td></td><td></td></t<> | .013 | 250 241 * | | | |
| 1991 MAR | .005 | | .007 <t< td=""><td>* *</td><td>* n [</td><td>NB (2)</td><td></td></t<> | * * | * n [| NB (2) | |
| 1991 APR | .005 | 0.00 | .007 <t< td=""><td>1 TO 100</td><td></td><td>R # 1</td><td>1850 1860</td></t<> | 1 TO 100 | | R # 1 | 1850 1860 |
| 1991 MAY | .008 | <t< td=""><td>.012</td><td></td><td>×</td><td></td><td>7 g c = -</td></t<> | .012 | | × | | 7 g c = - |
| 1991 JUN | .010 | | .010 | 300 | · . | | |
| 1991 JUL | .010 | | .011 | | | 7/6 | |
| 1991 AUG | .006 | <t< b=""></t<> | .010 | v = *** | | The second second | |
| 1991 SEP | .009 | <t< td=""><td>.010</td><td></td><td></td><td></td><td></td></t<> | .010 | | | | |
| 1991 OCT | .006 | <t< td=""><td>.009 <t< td=""><td>)</td><td></td><td></td><td>- V</td></t<></td></t<> | .009 <t< td=""><td>)</td><td></td><td></td><td>- V</td></t<> |) | | | - V |
| 1991 NOV | .006 | <t< td=""><td>.003 <t< td=""><td></td><td></td><td></td><td>5 Table 1 Tabl</td></t<></td></t<> | .003 <t< td=""><td></td><td></td><td></td><td>5 Table 1 Tabl</td></t<> | | | | 5 Table 1 Tabl |
| 1992 JAN | .007 | <t< td=""><td>.006 <t< td=""><td></td><td></td><td>•</td><td>-</td></t<></td></t<> | .006 <t< td=""><td></td><td></td><td>•</td><td>-</td></t<> | | | • | - |
| | | | 00/ | 3.50 | | W. ** | - |
| 1992 APR | .007 | <1 | .004 <t< td=""><td>25</td><td></td><td>51 (1 m) 1 m</td><td></td></t<> | 25 | | 51 (1 m) 1 m | |
| 1992 APR 1992 JUL | .007 | | .004 <1 | \$ 3 0 | | v 2 9 • | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | | TREATMENT PLANT | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | ALDERSHOT AVE | DIST. SYSTEM PEDEN BLVD FREE FLOW | PEDEN BLVD |
|----------------------|------------|----------------------------|---|--|------------------|---|---|
| ••••• | | CHEMISTRY (L | ABORATORY) | , | | | |
| * } | RESIDUE | E FILTRATE (MG/ | .) | DET'N LIN | IIT = N/A | GUIDELINE = | 500 (A3) |
| 1991 | JAN | 203.000 CRO | 205.000 CRO | 205.000 CRO | 205.000 CRO | 205.000 CRO | 206.000 CR |
| 1991 | FEB | 203.000 CRO | 205.000 CRO | | | 205.000 CRO | |
| 1991 | MAR | 203.000 CRO | | | 200.000 CRO | 205.000 CRO | 205.000 CR |
| 1991 | APR | 201.000 CRO | 201.000 CRO 192.000 CRO 204.000 CRO | 200.000 CRO | 201.000 CRO | • | |
| 1991 | MAY | 190.000 CRO | 192.000 CRO | 192.000 CRO | 192.000 CRO | 193.000 CRO | 194.000 CR |
| 1991 | JUN | 203.000 CRO | 204.000 CRO | 205.000 CRO | 205.000 CRO | 205.000 CRO | 205.000 CR |
| 1991 | JUL | 198.000 CRC | 200.000 CRO | 198.000 CRO | 197.000 CRO | | * 1 |
| 1991 | AUG | 193.000 CRC | | | | 196.000 CRO | 196.000 CR |
| 1991 | SEP | 200.000 CRC | 201,000 CRO | 200,000 CRO | 200.000 CRO | | |
| 1991 | OCT | 200,000 CRC | 202.000 CRO | 203.000 CRO | 202.000 CRO | 202.000 CRO | 202.000 CR |
| 1991 | | 200.000 CRC | 201.000 CRO | 202.000 CRO | 201.000 CRO | 200.000 CRO 202.000 CRO 202.000 CRO | 202.000 CR |
| 1992 | | 207,000 CRC | | 209,000 CRO | 209.000 CRO | | |
| 1992 | APR | 198,000 CRC | 199,000 CRO | 199,000 CRO | 200,000 CRO | * | |
| 1992 | JUL | 202,000 CRC | 203.000 CRO | 203,000 CRO | 202,000 CRO | | * · · · · · · · · · · · · · · · · · · · |
| 1992 | OCT | 197.000 CRC | 199.000 CRO | 203.000 CRO 199.000 CRO | 199,000 CRO | •. | • |
| ••••• | (MG/L | | | DET'N LIMIT = 0.2 | | | |
| 1991 | JAN | 26.180 26.210 | 27.840 | 27,170 | 27.300 | 28.500 | 27.550 |
| | FEB | 26.210 | 27 000 | | 120 | 27,070 | 27,110 |
| 1991 | | 25.160 | 26.500 | 25.860 | 26.340 | 25.680 | 25.480 |
| 1991 | | 25,250 | 26.740 | 26,520 | 26.580 | | |
| 1991 | | 24.490 | 25.360 | | 26.130 | | 25.300 |
| 1991 | | 25,060 | 26.210 | 25.700 | 25.640 | 25.320 | 25.520 |
| 1991 | | 26.840 | 27.710 | 27.210 | 26.830 | 7 | - |
| 1991 | | 26.800 | 27.510 | -, | | 26.910 | 27.210 |
| 1991 | | 27.030 | 28.310 | 27.150 | 26.880 | 26.850 | |
| | | 28.120 | 28,660 | 28.390 | 28,200 | 28.330 | |
| | | 24.320 | 26.390 | 25.670 | 25.500 | 28.210 | 23.440 |
| 1991 | | | | 27.370 | 27.990 | 2012.10 | 25.440 |
| 1991 1991 | | 27 710 | // MAI! | | E11770 | | • |
| 1991 1991 1992 | JAN | 27.710 26.500 | 27.860 26.550 | 26 140 | 26 160 | 120 | |
| 1991 1991 | JAN APR | 27.710 26.500 26.010 | 26.550 26.870 | 26.140 | 26.160 26.650 | . • | * |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| × | TREATMENT PLANT | TREATMENT PLANT | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | DIST. SYSTEM PEDEN BLVD FREE FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|---------------|-----------------|--|--|---|-----------------------------------|--|
| | CHEMISTRY (LA | BORATORY) | | | | |
| URBIDITY (FTU |) | g CC-Microphysical year co. * ec | DET'N LIMIT = 0.0 | 5 GU I | DELINE = 1.0 (A1) | Α |
| 1991 JAN | 1.100 | .390 | .620 | .830 | .540 | .960 |
| 1991 FEB | .930 | .370 | | 100 | .450 | .420 |
| 1991 MAR | .790 | .320 | .490 | .470 | .580 | .650 |
| 1991 APR | 1.460 | .240 <t< td=""><td>.710</td><td>.830</td><td></td><td>II C</td></t<> | .710 | .830 | | II C |
| 1991 MAY | 1.690 | .570 | .560 | .620 | .400 | .500 |
| 1991 JUN | 1.400 | .310 | .400 | .300 | .320 | .310 |
| 1991 JUL | .750 | .380 | .690 | .600 | | |
| 1991 AUG | 1.200 | .390 | | | .860 | .700 |
| 1991 SEP | .800 | .250 | .460 | .480 | .520 | .480 |
| 1991 OCT | .560 | .330 | .350 | .500 | .580 | .590 |
| 1991 NOV | 1.050 | .430 | .370 | .330 | .310 | .900 |
| 1992 JAN | 1.310 | .520 | .440 | .480 | | |
| 1992 APR | 1.470 | .700 | .670 | .730 | 0 8 | |
| 1992 JUL | 1.390 | .440 | .430 | .470 | 9 | |
| 1992 OCT | 1.010 | .480 | .580 | .560 | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT PLANT | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | | | DIST. SYSTEM PEDEN BLVD STANDING |
|----------------------|--|--|--|---------|--|--|
| | METALS | | | | | |
| SILVER (UG/L |) | | DET'N LIMIT = 0. | .05 | GUIDELINE = N/A | |
| 74 SAMPLES | BDL | BDL | BDL | BDL | BDL | BDL |
| ALUMINUM (UG/L |) | | DET'N LIMIT = 0. | .10 | GUIDELINE = 100 (A4) | |
| 1991 JAN | 12.000 | 160.000 | 160.000 | 170.000 | 120.000 | 120.000 |
| 1991 FEB | 7.600 | 170,000 | | | 130.000 | 130,000 |
| 1991 MAR | 14.000 | 170.000 | 150.000 | 160.000 | 140.000 | 140.000 |
| 1991 APR | 20.000 | 220.000 | 180.000 | 160.000 | ತ ಕಡುಕಾಡನೆಗೆ ತು | |
| 1991 MAY | 16.000 | 260,000 | 240.000 | 190.000 | 180.000 | 180.000 |
| 1991 JUN | 17.000 | 150.000 | 160.000 | 120.000 | 130.000 | 120,000 |
| 1991 JUL | 13.000 | 170.000 | 180.000 | 170.000 | .50.000 | |
| 1991 JUL 1991 AUG | 9.400 | 110.000 | 100.000 | | 130.000 | 120.000 |
| 1991 AUG | 10.000 | 98.000 | 110.000 | 110.000 | 110.000 | 110.000 |
| | 9.400 | 98.000 | 89.000 | 93.000 | 94.000 | 93.000 |
| 1991 OCT | 11.000 | 53.000 | 56.000 | 56.000 | 63.000 | 64.000 |
| 1991 NOV | | 78.000 | 83.000 | 67.000 | 03.000 | 04.000 |
| 1992 JAN | 11.000 | | 54.000 | 55.000 | | • |
| 1992 APR | 13.000 | 53.000 | 110.000 | 110.000 | • | II ## |
| 1992 JUL | 13.000 | 52.000 | | 120.000 | 5.●3 | |
| 1992 OCT | 11.000 | 190.000 | 120.000 | 120.000 | · · · · · · · · · · · · · · · · · · · | |
| ARSENIC (UG/L |) | | DET'N LIMIT = 0 | .10 | GUIDELINE = 25 (A1) | e s og |
| 1991 JAN | .940 <t< td=""><td>1.100</td><td>1.100</td><td>1.100</td><td>1.100</td><td>.920 <</td></t<> | 1.100 | 1.100 | 1.100 | 1.100 | .920 < |
| 1991 FEB | 1.000 <t< td=""><td>1.600</td><td></td><td></td><td></td><td>1.200</td></t<> | 1.600 | | | | 1.200 |
| 1991 MAR | 1.100 | 1.400 | 1.200 | 1.400 | .980 <t< td=""><td>1.000 <</td></t<> | 1.000 < |
| 1991 APR | .730 <t< td=""><td>1.200</td><td>.900 <t< td=""><td>.680</td><td><t .<="" td=""><td></td></t></td></t<></td></t<> | 1.200 | .900 <t< td=""><td>.680</td><td><t .<="" td=""><td></td></t></td></t<> | .680 | <t .<="" td=""><td></td></t> | |
| 1991 MAY | .310 <t< td=""><td>.740 <1</td><td>.590 <t< td=""><td>.410</td><td><t .590="" <t<="" td=""><td>.510 <</td></t></td></t<></td></t<> | .740 <1 | .590 <t< td=""><td>.410</td><td><t .590="" <t<="" td=""><td>.510 <</td></t></td></t<> | .410 | <t .590="" <t<="" td=""><td>.510 <</td></t> | .510 < |
| 1991 JUN | 1,100 | 1.200 | 1.200 | 1.100 | | 1.100 |
| 1991 JUL | .890 <t< td=""><td>1.200</td><td>1.400</td><td>1.300</td><td>- n= 65</td><td>F 827 827 8</td></t<> | 1.200 | 1.400 | 1.300 | - n= 65 | F 827 827 8 |
| 1991 AUG | 1.100 | 1.400 | ಾಗಳನ್ನಾನೆ. | | 1.600 | 1.300 |
| 1991 SEP | .990 <t< td=""><td>1.500</td><td>1.100</td><td>1.000</td><td></td><td></td></t<> | 1.500 | 1.100 | 1.000 | | |
| 1991 OCT | .720 <t< td=""><td>1.300</td><td>1,200</td><td>1.200</td><td>1.100</td><td>1.200</td></t<> | 1.300 | 1,200 | 1.200 | 1.100 | 1.200 |
| 1991 NOV | 1.100 | 1.500 | 1.200 | 1.300 | 1.100 | 1.300 |
| 1992 JAN | .790 <t< td=""><td>.880 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<> | .880 <t< td=""><td></td><td></td><td></td><td></td></t<> | | | | |
| 1992 APR | .570 <t< td=""><td>1.200</td><td>1.500</td><td>1.600</td><td></td><td></td></t<> | 1.200 | 1.500 | 1.600 | | |
| 1992 APK | .570 <t< td=""><td>1.500</td><td>1,500</td><td>1.700</td><td></td><td></td></t<> | 1.500 | 1,500 | 1.700 | | |
| 1992 JUL 1992 OCT | 1.000 <t< td=""><td>1.500</td><td>.930 <t< td=""><td></td><td>W 100</td><td></td></t<></td></t<> | 1.500 | .930 <t< td=""><td></td><td>W 100</td><td></td></t<> | | W 100 | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT PLANT | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | | |
|-------------|-----------------|----------------------------|---|---|-----------------|--------------------------|
| | METALS | | | | | |
| BARIUM (UG/ | .) | | DET'N LIMIT = 0.0 | 5 G | UIDELINE = 1000 | (A2) |
| 1991 JAN | 23.000 | 22.000 | 21.000 | 21.000 | 22.000 | 22.000 |
| 1991 FEB | 22.000 | 22.000 | | | 22.000 | 23.000 |
| 1991 MAR | 22.000 | 21.000 | 20.000 | 20.000 | 22.000 | 22.000 |
| 1991 APR | 23.000 | 23.000 | 24.000 | 25.000 | | |
| 1991 MAY | 23.000 | 23.000 | 23.000 | 23.000 | 23.000 | 23.000 |
| 1991 JUN | | 23.000 | 23.000 | 23.000 | 22.000 | 22.000 |
| 1991 JUL | 23.000 | 23.000 | 22,000 | 22.000 | | |
| 1991 AUG | 21,000 | 22.000 | | | 22.000 | 22.000 |
| 1991 SEP | | 20.000 | 23.000 | 23.000 | 23.000 | 23.000 |
| 1991 OCT | 22.000 | 22.000 | 22.000 | 22.000 | 22,000 | 22,000 |
| 1991 NOV | | 22.000 | 21,000 | 21.000 | 21.000 | 21.000 |
| 1992 JAN | 23.000 | 23.000 | 23.000 | 23.000 | | |
| 1992 APR | 21.000 | 20.000 | 25.000 | 26.000 | | |
| 1992 JUL | 19.000 | 21.000 | 21.000 | 21.000 | | |
| 1992 OCT | 23.000 | 23.000 | 24.000 | 24.000 | | , î |
| BORON (UG/L | , | | DET'N LIMIT = 2.0 | 0 6 | UIDELINE = 5000 | (A1) |
| 1991 JAN | 30.000 | 26.000 | 26.000 | 25.000 | 29.000 | 30.000 |
| 1991 FEB | | 23.000 | Interviewe | | 20.000 | <t 23.000<="" td=""></t> |
| 1991 MAR | | 23.000 | 19.000 <t< td=""><td>23.000</td><td>24.000</td><td>21.000</td></t<> | 23.000 | 24.000 | 21.000 |
| 1991 APR | | 21.000 | 21.000 | 21.000 | 7 | II Sy |
| 1991 MAY | | 22.000 | 21.000 | 21.000 | 22.000 | 22.000 |
| 1991 JUN | 24.000 | 22,000 | 21.000 | 20.000 < | T 24.000 | 21.000 |
| 1991 JUL | 23.000 | 25.000 | 25.000 | 25.000 | 0 . | |
| 1991 AUG | | 22.000 | 7 1 . | H 11 (%) | 22.000 | 21.000 |
| 1991 SEP | | 45.000 | 24.000 | 23.000 | 24.000 | 23.000 |
| 1991 OCT | | 28.000 | 29.000 | 30.000 | 28.000 | 25.000 |
| 1991 NOV | | 26.000 | 23.000 | 29.000 | 22.000 | 29.000 |
| 1992 JAN | 25,000 | 26,000 | 24.000 | 24.000 | 1 | |
| 1992 APR | | 28,000 | 27.000 | 26.000 | ±): | |
| | | 21,000 | 22.000 | 23.000 | | A 15 |
| 1992 JUL | 22.000 | 21.000 | 22.000 | 23.000 | | (C) |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | | TREATMENT PLANT RAW | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | | DIST. SYSTEM PEDEN BLVD STANDING |
|--------------|--|------------------------|---|--|---|--|--|
| | | METALS | | | | | |
| BERYLLIU | M (UG/L | .) | | DET'N LIMIT = 0.05 | 5 GU | IDELINE = 6800 (D4 |) |
| 1991 | JAN | BDL | BDL | BDL | BDL | BDL | BDL |
| 1991 | FEB | BDL | . BDL | | | BDL | BDL |
| 1991 | MAR | BDL | BDL | BDL | BDL | BDL | BDL |
| 1991 | APR | BDL | BDL | BDL | BDL | | |
| 1991 | MAY | BDL | BDL | BDL | BDL | BDL | BDL |
| 1991 | JUN | BDL | BDL | BDL | BDL | BDL | BDL |
| 1991 | JUL | BDL | BDL | BDL | BDL | • | |
| 1991 | AUG | BOL | BDL | | • | BDL | BDL |
| 1991 | | BDL | BDL | BDL | BDL | BDL | BDL |
| 1991 | OCT | BDL | BDL | BDL | BDL | BDL | BDL |
| 1991 | NOV | BDL | BDL | BDL | BDL | BDL | .060 <t< td=""></t<> |
| 1992 | | BDL | BDL | BDL | BDL | - | |
| 1992 | Anna San San San San San San San San San | BDL | BDL | BDL | BDL | | |
| 1992 | | BDL | BDL | BDL | BDL | - | - 10 a ⁴ |
| 1992 | | BDL | BDL | BDL | BDL | | - : |
| CADMIUM | (UG/L | ,) | | DET'N LIMIT = 0.0 | 5 GU | IDELINE = 5.0 (A1) | |
| 1991 | JAN | BDL | · BDL | BDL | BDL | BDL | BDL |
| 1991 | FEB | BDL | BDL | | | BDL | BDL |
| 1991 | MAR | BDL | .080 <t< td=""><td>.060 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td></t<></td></t<> | .060 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td></t<> | BDL | BDL | BDL |
| 1991 | | BDL | BDL | BDL | BDL | ************************************** | |
| 1991 | 2000 | BDL | BOL | BDL | BDL | BDL | BDL |
| 1991 | | BOL | BOL | BDL | BDL | BDL | BDL |
| 1991 | | BDL | BDL | BDL | BDL | | |
| 1991 | | BDL | BDL | 75.55 (I | | BDL | BDL |
| 1991 | | BDL | BOL | BDL | BDL | BDL | BDL |
| 1991 | | BDL | BDL | BDL | BDL | BDL | BDL |
| | | BDL | BDL | BDL | BDL | BDL | BDL |
| | | BDL | BDL | BDL | BDL | | |
| 1991 | JAN | | | | | • | |
| 1991 1992 | | | BDL | RDI | .060 <t< td=""><td>9</td><td>Value and the same of the same</td></t<> | 9 | Value and the same of the same |
| 1991 | APR | BDL BDL | BDL BDL | BDL BDL | .060 <t BDL</t | ** | * |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | | TREATME! | NT PL | ANT | | ATMENT P | LANT | DIST. SYSTEM ALDERSHOT AV FREE FLOW | E . | | /E | DIST. SYSTEM PEDEN BLVD FREE FLOW | | DIST. SYSTEM PEDEN BLVD STANDING | M | - |
|-----------|-----------|-----------|-------|--|-----|----------|---|---|--|-------|--|---|--|--|-----------------------------|-------|
| | | META | LS | | | | | | | | | | | | | |
| COBALT (U | G/L |) | | | | | | DET'N LIMIT = | 0.02 | | GUI | DELINE = N/A | | | | |
| 1991 J | AN | a 1 | .050 | < T | | .070 | < T | .050 | <₹ | BDL | | .030 | < T | BDL | | |
| 1991 FI | EB | | .180 | <t< td=""><td></td><td>.220</td><td><t< td=""><td></td><td></td><td></td><td></td><td>.200</td><td><t< b=""></t<></td><td>.170</td><td><1</td><td>60</td></t<></td></t<> | | .220 | <t< td=""><td></td><td></td><td></td><td></td><td>.200</td><td><t< b=""></t<></td><td>.170</td><td><1</td><td>60</td></t<> | | | | | .200 | <t< b=""></t<> | .170 | <1 | 60 |
| 1991 M | | | BDL | | | BDL | | BOL | | BDL | | .150 | <t< td=""><td>.080</td><td><1</td><td>•66</td></t<> | .080 | <1 | •66 |
| 1991 AI | | | .150 | <t< td=""><td></td><td>.170</td><td><t< td=""><td>BDL</td><td></td><td>BDL</td><td></td><td></td><td></td><td>a r</td><td></td><td></td></t<></td></t<> | | .170 | <t< td=""><td>BDL</td><td></td><td>BDL</td><td></td><td></td><td></td><td>a r</td><td></td><td></td></t<> | BDL | | BDL | | | | a r | | |
| 1991 M | 7.55 | | BDL | | | BDL | | BOL | | BDL | | BDL | | BDL | | |
| 1991 JI | | | .110 | <t< td=""><td></td><td>.040</td><td><t< b=""></t<></td><td>.070</td><td><t< td=""><td>.060</td><td><t< td=""><td>.080</td><td><t< td=""><td>.100</td><td><1</td><td>i e</td></t<></td></t<></td></t<></td></t<> | | .040 | <t< b=""></t<> | .070 | <t< td=""><td>.060</td><td><t< td=""><td>.080</td><td><t< td=""><td>.100</td><td><1</td><td>i e</td></t<></td></t<></td></t<> | .060 | <t< td=""><td>.080</td><td><t< td=""><td>.100</td><td><1</td><td>i e</td></t<></td></t<> | .080 | <t< td=""><td>.100</td><td><1</td><td>i e</td></t<> | .100 | <1 | i e |
| 1991 JI | (T. 5.7) | . 2. 3 | .800 | <t< td=""><td></td><td>.750</td><td></td><td>.700</td><td><t< td=""><td>.720</td><td><t< td=""><td></td><td></td><td></td><td></td><td></td></t<></td></t<></td></t<> | | .750 | | .700 | <t< td=""><td>.720</td><td><t< td=""><td></td><td></td><td></td><td></td><td></td></t<></td></t<> | .720 | <t< td=""><td></td><td></td><td></td><td></td><td></td></t<> | | | | | |
| 1991 AI | | (S) F(1) | .100 | 527675 | | .100 | | I' 57 5.50 | | | | .090 | <t< td=""><td>.080</td><td><T</td><td>10</td></t<> | .080 | < T | 10 |
| 1991 SI | | | .090 | 2000 | | .080 | | .120 | | .080 | <t< td=""><td>.130</td><td><t< b=""></t<></td><td>.100</td><td><1</td><td>FG 10</td></t<> | .130 | <t< b=""></t<> | .100 | <1 | FG 10 |
| 1991 0 | | | .090 | | | .120 | | .050 | <t< b=""></t<> | BDL | 20 | .130 | <t< b=""></t<> | .150 | <t< td=""><td>600</td></t<> | 600 |
| 1991 N | - | | .060 | | | .070 | | .040 | | .070 | <t< td=""><td>.100</td><td><t< b=""></t<></td><td>.060</td><td><1</td><td>12.</td></t<> | .100 | <t< b=""></t<> | .060 | <1 | 12. |
| 1992 J | | | .110 | | | .150 | | | <t< td=""><td>.070</td><td><t< td=""><td></td><td></td><td>1.</td><td></td><td></td></t<></td></t<> | .070 | <t< td=""><td></td><td></td><td>1.</td><td></td><td></td></t<> | | | 1. | | |
| 1992 AI | | | .190 | | | .160 | | . 130 | | .210 | <1 | | | | | |
| 1992 JI | | | .180 | | | .160 | | . 190 | <t< b=""></t<> | .260 | <t< td=""><td></td><td></td><td></td><td></td><td></td></t<> | | | | | |
| 1992 0 | | | .270 | | | .350 | | .360 | | .280 | <1 | | | | | |
| CHROMIUM | (UG/L |) | | | | | | DET'N LIMIT = | 0.50 | | GUI | DELINE = 50.0 | (A1) | | | |
| 1991 J | AN | 3 | .200 | < T | | 2.200 | <1 | 1.800 | < T | 1.600 | < T | 2.800 | < T | 2.900 | <1 | |
| 1991 F | 2000 | 1 | .000 | <t< td=""><td></td><td>1.300</td><td><t< td=""><td></td><td></td><td></td><td></td><td>.570</td><td><t< td=""><td>1.100</td><td><1</td><td></td></t<></td></t<></td></t<> | | 1.300 | <t< td=""><td></td><td></td><td></td><td></td><td>.570</td><td><t< td=""><td>1.100</td><td><1</td><td></td></t<></td></t<> | | | | | .570 | <t< td=""><td>1.100</td><td><1</td><td></td></t<> | 1.100 | <1 | |
| 1991 M | | 2 | .000 | <t< td=""><td></td><td>2.200</td><td><t< td=""><td>.570</td><td><t< td=""><td>2.100</td><td><t< td=""><td>2.100</td><td><t< td=""><td>1.000</td><td><t< td=""><td>S.</td></t<></td></t<></td></t<></td></t<></td></t<></td></t<> | | 2.200 | <t< td=""><td>.570</td><td><t< td=""><td>2.100</td><td><t< td=""><td>2.100</td><td><t< td=""><td>1.000</td><td><t< td=""><td>S.</td></t<></td></t<></td></t<></td></t<></td></t<> | .570 | <t< td=""><td>2.100</td><td><t< td=""><td>2.100</td><td><t< td=""><td>1.000</td><td><t< td=""><td>S.</td></t<></td></t<></td></t<></td></t<> | 2.100 | <t< td=""><td>2.100</td><td><t< td=""><td>1.000</td><td><t< td=""><td>S.</td></t<></td></t<></td></t<> | 2.100 | <t< td=""><td>1.000</td><td><t< td=""><td>S.</td></t<></td></t<> | 1.000 | <t< td=""><td>S.</td></t<> | S. |
| 1991 A | | | .840 | | | BDL | | BDL | | BDL | | | | • | | |
| 1991 M | 7(3) | | .600 | 500000 | | 1.600 | <t< b=""></t<> | BDL | | BDL | | 1.300 | <t< td=""><td>.990</td><td>· <t< td=""><td></td></t<></td></t<> | .990 | · <t< td=""><td></td></t<> | |
| 1991 J | | 2 | .400 | <t< td=""><td></td><td>-640</td><td><t< td=""><td>.530</td><td><t -<="" td=""><td>BDL</td><td></td><td>2.300</td><td><t< b=""></t<></td><td>BDL</td><td></td><td></td></t></td></t<></td></t<> | | -640 | <t< td=""><td>.530</td><td><t -<="" td=""><td>BDL</td><td></td><td>2.300</td><td><t< b=""></t<></td><td>BDL</td><td></td><td></td></t></td></t<> | .530 | <t -<="" td=""><td>BDL</td><td></td><td>2.300</td><td><t< b=""></t<></td><td>BDL</td><td></td><td></td></t> | BDL | | 2.300 | <t< b=""></t<> | BDL | | |
| 1991 J | | | .850 | | | 1.800 | <t< td=""><td>2.600</td><td><t< td=""><td>2.800</td><td></td><td>0</td><td></td><td></td><td></td><td></td></t<></td></t<> | 2.600 | <t< td=""><td>2.800</td><td></td><td>0</td><td></td><td></td><td></td><td></td></t<> | 2.800 | | 0 | | | | |
| 1991 A | | | .300 | | | .640 | <t< td=""><td></td><td></td><td></td><td></td><td>.590</td><td><t< b=""></t<></td><td>.640</td><td><1</td><td></td></t<> | | | | | .590 | <t< b=""></t<> | .640 | <1 | |
| 1991 S | | | .400 | | | 5.200 | | BDL | | BDL | | .560 | <t :<="" td=""><td>.520</td><td><1</td><td>ľ</td></t> | .520 | <1 | ľ |
| 1991 0 | | 50 | BDL | | - 5 | 2.000 | | | | 2.100 | <t< td=""><td>2.100</td><td><t< td=""><td>1.100</td><td><1</td><td>1</td></t<></td></t<> | 2.100 | <t< td=""><td>1.100</td><td><1</td><td>1</td></t<> | 1.100 | <1 | 1 |
| 1991 N | 0.5500000 | | .200 | | | 2,100 | 3000 | | | 2.300 | | .520 | <↑ | 2.300 | <1 | ſ |
| 1992 J | 1000 | 0.77 | .510 | | | .720 | | | | BDL | | 2 6 52 | | | | |
| - 1992 A | 20702 | | .400 | >=>/1 | | 1.300 | | | | .800 | | | | | | |
| 1992 J | | # 38 | BDL | 67.00 | | BDL | | BDL | 21E | BDL | 200.00 | * | | | | |
| | | | | | | | | | | | | | | | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| METALS DET'N LIMIT = 0.50 GJIDELINE = 1000 (A3) 1991 JAN | | | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | ALDERSHOT AVE | | DIST. SYSTEM PEDEN BLVD STANDING |
|---|-----------------|---|--|--|--|--|--|
| 1991 JAN | | METALS | | | | | |
| 1991 MAR | COPPER (UG/L |) | 8 | DET'N LIMIT = 0. | 50 6 | UIDELINE = 1000 (A3 | () |
| 1991 MAR | 1991 JAN | 1.500 <t< td=""><td>1.200 <t< td=""><td>1.900 <t< td=""><td>5.300</td><td>8.400</td><td>57.000</td></t<></td></t<></td></t<> | 1.200 <t< td=""><td>1.900 <t< td=""><td>5.300</td><td>8.400</td><td>57.000</td></t<></td></t<> | 1.900 <t< td=""><td>5.300</td><td>8.400</td><td>57.000</td></t<> | 5.300 | 8.400 | 57.000 |
| 1991 MAR | 1991 FEB | 13.000 | 1.300 <t< td=""><td></td><td>•</td><td>8.700</td><td>80.000</td></t<> | | • | 8.700 | 80.000 |
| 1991 MAY | 1991 MAR | 15.000 | 1.200 <t< td=""><td>1.600 <t< td=""><td>2.100 <</td><td>r 7.400</td><td>47.000</td></t<></td></t<> | 1.600 <t< td=""><td>2.100 <</td><td>r 7.400</td><td>47.000</td></t<> | 2.100 < | r 7.400 | 47.000 |
| 1991 JUN 3.000 <t 1.300="" 2.500="" 4.600="" 8.000<="" <t="" td=""><td></td><td>2.600 <t< td=""><td>1.200 <t< td=""><td>1.700 <t< td=""><td>3.900 <</td><td>· ·</td><td>•</td></t<></td></t<></td></t<></td></t> | | 2.600 <t< td=""><td>1.200 <t< td=""><td>1.700 <t< td=""><td>3.900 <</td><td>· ·</td><td>•</td></t<></td></t<></td></t<> | 1.200 <t< td=""><td>1.700 <t< td=""><td>3.900 <</td><td>· ·</td><td>•</td></t<></td></t<> | 1.700 <t< td=""><td>3.900 <</td><td>· ·</td><td>•</td></t<> | 3.900 < | · · | • |
| 1991 JUN 3.000 <t 1.300="" 2.500="" 4.600="" 8.000<="" <t="" td=""><td>1991 MAY</td><td>1.600 <t< td=""><td>.750 <1</td><td>1.800 <t< td=""><td>5.200</td><td>12.000</td><td>45.000</td></t<></td></t<></td></t> | 1991 MAY | 1.600 <t< td=""><td>.750 <1</td><td>1.800 <t< td=""><td>5.200</td><td>12.000</td><td>45.000</td></t<></td></t<> | .750 <1 | 1.800 <t< td=""><td>5.200</td><td>12.000</td><td>45.000</td></t<> | 5.200 | 12.000 | 45.000 |
| 1991 NOV 2.400 <t 1.400="" 1.500="" 1.700="" 1992="" 2.000="" 2.800="" 22.000="" 23.000="" 3.000="" 4.400="" 4.700="" <t="" <t<="" jan="" td=""><td>1991 JUN</td><td>3.000 <t< td=""><td>1.300 <t< td=""><td>2.500 <t< td=""><td>4.600 <</td><td>T 8.000</td><td>22.000</td></t<></td></t<></td></t<></td></t> | 1991 JUN | 3.000 <t< td=""><td>1.300 <t< td=""><td>2.500 <t< td=""><td>4.600 <</td><td>T 8.000</td><td>22.000</td></t<></td></t<></td></t<> | 1.300 <t< td=""><td>2.500 <t< td=""><td>4.600 <</td><td>T 8.000</td><td>22.000</td></t<></td></t<> | 2.500 <t< td=""><td>4.600 <</td><td>T 8.000</td><td>22.000</td></t<> | 4.600 < | T 8.000 | 22.000 |
| 1991 NOV 2.400 <t 1.500="" 1.700="" 2.800="" 22.000<="" 4.700="" <t="" td=""><td></td><td>3.200 <t< td=""><td>1.400 <t< td=""><td>3.000 <t< td=""><td>5.400</td><td>*</td><td></td></t<></td></t<></td></t<></td></t> | | 3.200 <t< td=""><td>1.400 <t< td=""><td>3.000 <t< td=""><td>5.400</td><td>*</td><td></td></t<></td></t<></td></t<> | 1.400 <t< td=""><td>3.000 <t< td=""><td>5.400</td><td>*</td><td></td></t<></td></t<> | 3.000 <t< td=""><td>5.400</td><td>*</td><td></td></t<> | 5.400 | * | |
| 1991 NOV 2.400 <t 1.400="" 1.500="" 1.700="" 1992="" 2.000="" 2.800="" 22.000="" 23.000="" 3.000="" 4.400="" 4.700="" <t="" <t<="" jan="" td=""><td></td><td>2.700 <t< td=""><td>1.200 <t< td=""><td></td><td></td><td>6.500</td><td>31.000</td></t<></td></t<></td></t> | | 2.700 <t< td=""><td>1.200 <t< td=""><td></td><td></td><td>6.500</td><td>31.000</td></t<></td></t<> | 1.200 <t< td=""><td></td><td></td><td>6.500</td><td>31.000</td></t<> | | | 6.500 | 31.000 |
| 1991 NOV 2.400 <t 1.500="" 1.700="" 2.800="" 22.000<="" 4.700="" <t="" td=""><td></td><td>2.200 <t< td=""><td>1.200 <t< td=""><td>3.200 <t< td=""><td>9.000</td><td>8.300</td><td></td></t<></td></t<></td></t<></td></t> | | 2.200 <t< td=""><td>1.200 <t< td=""><td>3.200 <t< td=""><td>9.000</td><td>8.300</td><td></td></t<></td></t<></td></t<> | 1.200 <t< td=""><td>3.200 <t< td=""><td>9.000</td><td>8.300</td><td></td></t<></td></t<> | 3.200 <t< td=""><td>9.000</td><td>8.300</td><td></td></t<> | 9.000 | 8.300 | |
| 1992 JAN | | 1.700 <t< td=""><td>1.500 <t< td=""><td>2.600 <t< td=""><td>5.600</td><td>29.000</td><td>32.000</td></t<></td></t<></td></t<> | 1.500 <t< td=""><td>2.600 <t< td=""><td>5.600</td><td>29.000</td><td>32.000</td></t<></td></t<> | 2.600 <t< td=""><td>5.600</td><td>29.000</td><td>32.000</td></t<> | 5.600 | 29.000 | 32.000 |
| 1992 JAN | 1991 NOV | 2.400 <t< td=""><td>1.300 <t< td=""><td>3.500 <t< td=""><td>4.700 <</td><td>T 22.000</td><td>23.000</td></t<></td></t<></td></t<> | 1.300 <t< td=""><td>3.500 <t< td=""><td>4.700 <</td><td>T 22.000</td><td>23.000</td></t<></td></t<> | 3.500 <t< td=""><td>4.700 <</td><td>T 22.000</td><td>23.000</td></t<> | 4.700 < | T 22.000 | 23.000 |
| 1992 OCT 3.300 <t 1.700="" 2.700="" 7.600<="" <t="" td=""><td></td><td>1.400 <t< td=""><td>1.400 <t< td=""><td>2.800 <t< td=""><td>4.200 <</td><td>· .</td><td>: ***</td></t<></td></t<></td></t<></td></t> | | 1.400 <t< td=""><td>1.400 <t< td=""><td>2.800 <t< td=""><td>4.200 <</td><td>· .</td><td>: ***</td></t<></td></t<></td></t<> | 1.400 <t< td=""><td>2.800 <t< td=""><td>4.200 <</td><td>· .</td><td>: ***</td></t<></td></t<> | 2.800 <t< td=""><td>4.200 <</td><td>· .</td><td>: ***</td></t<> | 4.200 < | · . | : *** |
| 1992 OCT 3.300 <t 1.700="" 2.700="" 7.600<="" <t="" td=""><td></td><td>2.000 <t< td=""><td>1.500 <t< td=""><td>3.000 <t< td=""><td>4.400 <</td><td>т .</td><td></td></t<></td></t<></td></t<></td></t> | | 2.000 <t< td=""><td>1.500 <t< td=""><td>3.000 <t< td=""><td>4.400 <</td><td>т .</td><td></td></t<></td></t<></td></t<> | 1.500 <t< td=""><td>3.000 <t< td=""><td>4.400 <</td><td>т .</td><td></td></t<></td></t<> | 3.000 <t< td=""><td>4.400 <</td><td>т .</td><td></td></t<> | 4.400 < | т . | |
| 1992 OCT 3.300 <t 1.700="" 2.700="" 7.600<="" <t="" td=""><td>1992 JUL</td><td>2.600 <t< td=""><td>1.200 <t< td=""><td>2.800 <t< td=""><td>5.600</td><td></td><td></td></t<></td></t<></td></t<></td></t> | 1992 JUL | 2.600 <t< td=""><td>1.200 <t< td=""><td>2.800 <t< td=""><td>5.600</td><td></td><td></td></t<></td></t<></td></t<> | 1.200 <t< td=""><td>2.800 <t< td=""><td>5.600</td><td></td><td></td></t<></td></t<> | 2.800 <t< td=""><td>5.600</td><td></td><td></td></t<> | 5.600 | | |
| 1991 JAN | | 3.300 <t< td=""><td>1.700 <t< td=""><td>2.700 <t< td=""><td>7.600</td><td>•</td><td>•</td></t<></td></t<></td></t<> | 1.700 <t< td=""><td>2.700 <t< td=""><td>7.600</td><td>•</td><td>•</td></t<></td></t<> | 2.700 <t< td=""><td>7.600</td><td>•</td><td>•</td></t<> | 7.600 | • | • |
| 1991 FEB | IRON (UG/L | · · · · · · · · · · · · · · · · · · · | | | 00 (| GUIDELINE = 300 (A3) |) , |
| 1991 FEB | 1001 IAN | 17 000 <t< td=""><td>. 7 200 <t< td=""><td>14 000 <t< td=""><td>16,000 4</td><td>ct 50,000 <t< td=""><td>44.000 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | . 7 200 <t< td=""><td>14 000 <t< td=""><td>16,000 4</td><td>ct 50,000 <t< td=""><td>44.000 <t< td=""></t<></td></t<></td></t<></td></t<> | 14 000 <t< td=""><td>16,000 4</td><td>ct 50,000 <t< td=""><td>44.000 <t< td=""></t<></td></t<></td></t<> | 16,000 4 | ct 50,000 <t< td=""><td>44.000 <t< td=""></t<></td></t<> | 44.000 <t< td=""></t<> |
| 1991 MAR | | 10.000 <t< td=""><td>6 200 «T</td><td>14.000</td><td>10.000</td><td>42.000 <t< td=""><td>37.000 <t< td=""></t<></td></t<></td></t<> | 6 200 «T | 14.000 | 10.000 | 42.000 <t< td=""><td>37.000 <t< td=""></t<></td></t<> | 37.000 <t< td=""></t<> |
| 1991 MAY | | 12 000 <1 | 6 700 <t< td=""><td>0 nnn <t< td=""><td>10 000</td><td>T 35,000 <t< td=""><td>29.000 <t< td=""></t<></td></t<></td></t<></td></t<> | 0 nnn <t< td=""><td>10 000</td><td>T 35,000 <t< td=""><td>29.000 <t< td=""></t<></td></t<></td></t<> | 10 000 | T 35,000 <t< td=""><td>29.000 <t< td=""></t<></td></t<> | 29.000 <t< td=""></t<> |
| 1991 MAY | | 240,000 | 0.700 VI | 64 000 VI | 36,000 | T 35.000 41 | 27.000 |
| 1991 JUL | 1991 APK | 240.000 24 000 <t< td=""><td>BOL</td><td>37 000 <t< td=""><td>46,000</td><td>T 16.000 <t< td=""><td>27 NNO <t< td=""></t<></td></t<></td></t<></td></t<> | BOL | 37 000 <t< td=""><td>46,000</td><td>T 16.000 <t< td=""><td>27 NNO <t< td=""></t<></td></t<></td></t<> | 46,000 | T 16.000 <t< td=""><td>27 NNO <t< td=""></t<></td></t<> | 27 NNO <t< td=""></t<> |
| 1991 JUL | 1991 MAT | 22 000 4 | BOL | | 28 000 | T 26.000 <t< td=""><td>32.000 <t< td=""></t<></td></t<> | 32.000 <t< td=""></t<> |
| 1991 AUG 16.000 <t .="" 10.000="" 12.000="" 16.000="" 18.000="" 19.000="" 1991="" 1992="" 35.000="" 36.000="" 37.000="" 38.000="" 39.000="" 46.000="" 47.000="" 48.000="" 6.700="" 62.000="" 66.000="" 7.900="" 8.100="" 8.500="" <t="" <t<="" bdl="" jan="" nov="" oct="" sep="" td=""><td></td><td>20,000 <7</td><td>8 800 -T</td><td></td><td>60.000</td><td>20,000 1</td><td>52.000 1</td></t> | | 20,000 <7 | 8 800 -T | | 60.000 | 20,000 1 | 52.000 1 |
| 1991 OCT | | 16,000 <7 | BNI | | 11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1 | | 35.000 <t< td=""></t<> |
| 1991 OCT | | | | 6 700 st | 62.000 | 47.000 <t< td=""><td>48.000 <t< td=""></t<></td></t<> | 48.000 <t< td=""></t<> |
| 1991 NOV 12.000 <t 10.000="" 16.000="" 18.000="" 1992="" 37.000="" 38.000="" 39.000="" 7.900="" 8.500="" <t="" <t<="" bdl="" jan="" td=""><td></td><td></td><td></td><td>8 100 <t< td=""><td>66 000</td><td>46.000 <t< td=""><td>46.000 <t< td=""></t<></td></t<></td></t<></td></t> | | | | 8 100 <t< td=""><td>66 000</td><td>46.000 <t< td=""><td>46.000 <t< td=""></t<></td></t<></td></t<> | 66 000 | 46.000 <t< td=""><td>46.000 <t< td=""></t<></td></t<> | 46.000 <t< td=""></t<> |
| 1992 APR | | 12 000 < | BDI . | 8 500 <t< td=""><td>7.000</td><td>T 38.000 <t< td=""><td>39.000 <t< td=""></t<></td></t<></td></t<> | 7.000 | T 38.000 <t< td=""><td>39.000 <t< td=""></t<></td></t<> | 39.000 <t< td=""></t<> |
| 1992 APR | | 16,000 < | 10 000 <t< td=""><td>18,000 <t< td=""><td>37,000</td><td>cT</td><td>57,000 1</td></t<></td></t<> | 18,000 <t< td=""><td>37,000</td><td>cT</td><td>57,000 1</td></t<> | 37,000 | cT | 57,000 1 |
| 1992 JUL | | 10.000 <1 | 8 000 <t< td=""><td>22.000 <t< td=""><td>26,000</td><td>ct .</td><td>* •</td></t<></td></t<> | 22.000 <t< td=""><td>26,000</td><td>ct .</td><td>* •</td></t<> | 26,000 | ct . | * • |
| MERCURY (UG/L) DET'N LIMIT = 0.02 GUIDELINE = 1.0 (A1) | | 18 000 < | | 70 000 | | | 1.0 |
| MERCURY (UG/L) DET'N LIMIT = 0.02 GUIDELINE = 1.0 (A1) | | 30.000 <t< td=""><td>19.000 <t< td=""><td>67.000</td><td>50.000</td><td>रा .</td><td>)\ .Y.•.</td></t<></td></t<> | 19.000 <t< td=""><td>67.000</td><td>50.000</td><td>रा .</td><td>)\ .Y.•.</td></t<> | 67.000 | 50.000 | रा . |)\ .Y.•. |
| | | | | | | | · · · · · · · · · · · · · · · · · · · |
| | TIEROUNT (OU) E | | 14 | | | | |
| | | | | | | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT PLANT | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | | DIST. SYSTEM PEDEN BLVD STANDING |
|----------------|-----------------|----------------------------|--|---|-----------------------|--|
| | METALS | | | | | |
| MANGANESE (UG/ | | · | DET'N LIMIT = 0.0 | 5 G | SUIDELINE = 50.0 (A3) | |
| 1991 JAN | 2.100 | , 1.300 | 1.700 | 1.500 | 2.800 | 3.000 |
| 1991 FEB | 1.600 | 1.100 | • | | 3.000 | 3.300 |
| 1991 MAR | 1.600 | 1.200 | 1.400 | 1.500 | 2.900 | 2.900 |
| 1991 APR | 5.000 | 1.600 | 6.200 | 5.100 | 100 mg | The second second |
| 1991 MAY | 3.600 | 1.200 | 3.200 | 5.600 | 2.100 | 2.600 |
| 1991 JUN | 4.300 | 2.300 | 4,100 | 7.200 | 4.500 | 4.500 |
| 1991 JUL | 3.300 | 1.600 | 7.300 | 9.800 | 100 | |
| 1991 AUG | 3,400 | 1.400 | A. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. | | 3.500 | 3.500 |
| 1991 SEP | 3.100 | 1.400 | 3.300 | 7.900 | 4.100 | 4.300 |
| 1991 OCT | 2.200 | 1.000 | 2.600 | 6.800 | 3.300 | 3.300 · |
| 1991 NOV | 2.100 | 1.100 | 2.200 | 2.200 | 2.600 | 2.700 |
| 1992 JAN | 2.200 | 1.200 | 2,200 | 3.900 | , | |
| 1992 APR | 2.200 | 1.500 | 3.000 | 2.800 | W P | N 80 |
| 1992 JUL | 4.100 | 2.300 | 11,000 | 10.000 | 5 C 20 C | |
| 1992 OCT | 2.400 | 1.100 | 6.400 | 5.300 | | |
| MOLYBDENUM (UG | /L) | , | DET'N LIMIT = 0.0 | 5 0 | UIDELINE = N/A | |
| 1991 JAN | 1.000 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 |
| 1991 FEB | 1.100 | 1.200 | 00 In | 6 | 1.100 | 1.000 |
| 1991. MAR | .960 | 1.100 | 1.000 | .930 | 1.100 | .990 |
| 1991 APR | 1.100 | 1.100 | 1.100 | 1.000 | 55 | |
| 1991 MAY | .940 | .970 | .970 | .910 | .860 | .830 |
| 1991 JUN | 1.000 | 1.000 | 1.100 | 1.100 | 1.000 | 1.000 |
| 1991 JUL | 1.100 | 1.300 | 1.200 | 1.100 | | The state of the s |
| 1991 AUG | 1.000 | 1.100 | _ | 2 0 | 1.100 | 1.100 |
| 1991 SEP | 1.100 | 1.100 | 1.200 | 1.200 | 1.200 | 1.200 |
| 1991 OCT | 1.200 | 1.200 | 1.200 | 1.100 | 1.200 | 1.200 |
| 1991 NOV | 1.100 | 1.300 | 1,100 | 1.200 | 1.100 | 1.200 |
| 1992 JAN | 1.200 | 1.200 | 1.400 | 1.200 | 18 | |
| 1992 APR | 1.100 | 1.100 | 1.200 | 1.300 | 8 | |
| 1992 JUL . | 1.100 | 1.100 | 1.100 | 1.100 | | 4 NE |
| 1992 OCT | 1.200 | 1.200 | 1.200 | 1.200 | ₹. | 5.71 |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | | TREATMENT PLANT TREATED | ALDERSHOT AVE | ALDERSHOT AVE | DIST. SYSTEM PEDEN BLVD FREE FLOW | |
|--------------|--|--|---|--|--|-----------------------|
| | METALS | | | | | 9 |
| NICKEL (UG/L |) | | DET'N LIMIT = 0.2 | 90 GU | IDELINE = 350 (D3) | |
| 1991 JAN | .450 <t< td=""><td>.620 <t< td=""><td>.500 <t< td=""><td>.580 <t< td=""><td>.740 <t< td=""><td>.940 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<> | .620 <t< td=""><td>.500 <t< td=""><td>.580 <t< td=""><td>.740 <t< td=""><td>.940 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | .500 <t< td=""><td>.580 <t< td=""><td>.740 <t< td=""><td>.940 <t< td=""></t<></td></t<></td></t<></td></t<> | .580 <t< td=""><td>.740 <t< td=""><td>.940 <t< td=""></t<></td></t<></td></t<> | .740 <t< td=""><td>.940 <t< td=""></t<></td></t<> | .940 <t< td=""></t<> |
| 1991 FEB | .930 <t< td=""><td>.780 <t< td=""><td></td><td></td><td>.830 <t< td=""><td>1.300 <t< td=""></t<></td></t<></td></t<></td></t<> | .780 <t< td=""><td></td><td></td><td>.830 <t< td=""><td>1.300 <t< td=""></t<></td></t<></td></t<> | | | .830 <t< td=""><td>1.300 <t< td=""></t<></td></t<> | 1.300 <t< td=""></t<> |
| 1991 MAR | .520 <t< td=""><td>.590 <t< td=""><td>.280 <t< td=""><td>.420 <1</td><td>.540 <t< td=""><td>.860 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | .590 <t< td=""><td>.280 <t< td=""><td>.420 <1</td><td>.540 <t< td=""><td>.860 <t< td=""></t<></td></t<></td></t<></td></t<> | .280 <t< td=""><td>.420 <1</td><td>.540 <t< td=""><td>.860 <t< td=""></t<></td></t<></td></t<> | .420 <1 | .540 <t< td=""><td>.860 <t< td=""></t<></td></t<> | .860 <t< td=""></t<> |
| 1991 APR | 1.100 <t< td=""><td>.790 <t< td=""><td>.570 <7</td><td>.580 <1</td><td>•</td><td>•</td></t<></td></t<> | .790 <t< td=""><td>.570 <7</td><td>.580 <1</td><td>•</td><td>•</td></t<> | .570 <7 | .580 <1 | • | • |
| 1991 MAY | BDL | BOL | BDL | BDL | | BDL |
| 1991 JUN | .730 <t< td=""><td>.340 <t< td=""><td>BDL</td><td>.500 <1</td><td>.780 <t< td=""><td>.770 <7</td></t<></td></t<></td></t<> | .340 <t< td=""><td>BDL</td><td>.500 <1</td><td>.780 <t< td=""><td>.770 <7</td></t<></td></t<> | BDL | .500 <1 | .780 <t< td=""><td>.770 <7</td></t<> | .770 <7 |
| 1991 JUL | 2.200 | 2.400 | 1.800 <t< td=""><td>2.200</td><td></td><td>•</td></t<> | 2.200 | | • |
| 1991 AUG | .690 <t< td=""><td></td><td></td><td>A#1</td><td>.300 <t< td=""><td>1.000 <t< td=""></t<></td></t<></td></t<> | | | A#1 | .300 <t< td=""><td>1.000 <t< td=""></t<></td></t<> | 1.000 <t< td=""></t<> |
| 1991 SEP | .290 <t< td=""><td>.290 <t< td=""><td></td><td>.340 <1</td><td>BDL .</td><td>.450 <t< td=""></t<></td></t<></td></t<> | .290 <t< td=""><td></td><td>.340 <1</td><td>BDL .</td><td>.450 <t< td=""></t<></td></t<> | | .340 <1 | BDL . | .450 <t< td=""></t<> |
| 1991 OCT | .510 <t< td=""><td>.730 <t< td=""><td>.830 <t< td=""><td></td><td></td><td>.860 <t< td=""></t<></td></t<></td></t<></td></t<> | .730 <t< td=""><td>.830 <t< td=""><td></td><td></td><td>.860 <t< td=""></t<></td></t<></td></t<> | .830 <t< td=""><td></td><td></td><td>.860 <t< td=""></t<></td></t<> | | | .860 <t< td=""></t<> |
| 1991 NOV | BOL | BDL | BDL | BDL | | .700 <t< td=""></t<> |
| 1992 JAN | .530 <t< td=""><td>.850 <t< td=""><td>.630 <t< td=""><td>.650 <1</td><td></td><td>12.00 P/2 / 10.00</td></t<></td></t<></td></t<> | .850 <t< td=""><td>.630 <t< td=""><td>.650 <1</td><td></td><td>12.00 P/2 / 10.00</td></t<></td></t<> | .630 <t< td=""><td>.650 <1</td><td></td><td>12.00 P/2 / 10.00</td></t<> | .650 <1 | | 12.00 P/2 / 10.00 |
| | 2.100 | | 2.600 | | | |
| 1992 JUL | 1.100 <t< td=""><td></td><td>1.200 <t< td=""><td></td><td></td><td>•7</td></t<></td></t<> | | 1.200 <t< td=""><td></td><td></td><td>•7</td></t<> | | | •7 |
| 1992 OCT | 1.300 <t< td=""><td>1.800 <t< td=""><td>2.000 <t< td=""><td>1.500 <1</td><td></td><td></td></t<></td></t<></td></t<> | 1.800 <t< td=""><td>2.000 <t< td=""><td>1.500 <1</td><td></td><td></td></t<></td></t<> | 2.000 <t< td=""><td>1.500 <1</td><td></td><td></td></t<> | 1.500 <1 | | |
| LEAD (UG/L | A DESCRIPTION OF THE PROPERTY OF THE STATE O | | DET'N LIMIT = 0.0 |)5 GL | JIDELINE = 10 (A1) | |
| 1991 JAN | .090 <t< td=""><td>BDL</td><td>.640</td><td>.210 <1</td><td>.150 <t< td=""><td>.990</td></t<></td></t<> | BDL | .640 | .210 <1 | .150 <t< td=""><td>.990</td></t<> | .990 |
| 1991 FEB | .110 <t< td=""><td>BDL</td><td></td><td></td><td>.170 <t< td=""><td>.980</td></t<></td></t<> | BDL | | | .170 <t< td=""><td>.980</td></t<> | .980 |
| 1991 MAR | .090 <t< td=""><td>BDL</td><td>.070 <t< td=""><td>.080 <1</td><td>.190 <t< td=""><td>.690</td></t<></td></t<></td></t<> | BDL | .070 <t< td=""><td>.080 <1</td><td>.190 <t< td=""><td>.690</td></t<></td></t<> | .080 <1 | .190 <t< td=""><td>.690</td></t<> | .690 |
| 1991 APR | .310 <t< td=""><td>.100 <t< td=""><td>.110 <t< td=""><td>.260 <1</td><td></td><td></td></t<></td></t<></td></t<> | .100 <t< td=""><td>.110 <t< td=""><td>.260 <1</td><td></td><td></td></t<></td></t<> | .110 <t< td=""><td>.260 <1</td><td></td><td></td></t<> | .260 <1 | | |
| 1991 MAY | .340 <t< td=""><td>.110 <t< td=""><td>.130 <t< td=""><td></td><td></td><td>.770</td></t<></td></t<></td></t<> | .110 <t< td=""><td>.130 <t< td=""><td></td><td></td><td>.770</td></t<></td></t<> | .130 <t< td=""><td></td><td></td><td>.770</td></t<> | | | .770 |
| 1991 JUN | .670 | .220 <t< td=""><td>.370 <t< td=""><td>.700</td><td>.360 <t< td=""><td>660</td></t<></td></t<></td></t<> | .370 <t< td=""><td>.700</td><td>.360 <t< td=""><td>660</td></t<></td></t<> | .700 | .360 <t< td=""><td>660</td></t<> | 660 |
| 1991 JUL | .560 | .190 <t< td=""><td>.470 <t< td=""><td></td><td></td><td></td></t<></td></t<> | .470 <t< td=""><td></td><td></td><td></td></t<> | | | |
| 1991 AUG | .410 <t< td=""><td></td><td></td><td></td><td></td><td>1.100</td></t<> | | | | | 1.100 |
| 1991 SEP | .510 | .170 <t< td=""><td>.420 <t< td=""><td>.980</td><td></td><td>1.800</td></t<></td></t<> | .420 <t< td=""><td>.980</td><td></td><td>1.800</td></t<> | .980 | | 1.800 |
| 1991 OCT | .220 <t< td=""><td></td><td>.250 <t< td=""><td>.570</td><td>1.800</td><td>2.000</td></t<></td></t<> | | .250 <t< td=""><td>.570</td><td>1.800</td><td>2.000</td></t<> | .570 | 1.800 | 2.000 |
| 1991 NOV | .280 <t< td=""><td>.160 <t< td=""><td></td><td>.430 <1</td><td>1.100</td><td>1.100</td></t<></td></t<> | .160 <t< td=""><td></td><td>.430 <1</td><td>1.100</td><td>1.100</td></t<> | | .430 <1 | 1.100 | 1.100 |
| 1992 JAN | .170 <t< td=""><td></td><td>. 250 <t< td=""><td>- 500 <1</td><td></td><td>120</td></t<></td></t<> | | . 250 <t< td=""><td>- 500 <1</td><td></td><td>120</td></t<> | - 500 <1 | | 120 |
| 1992 APR | .190 <t< td=""><td></td><td>.220 <t< td=""><td>.360 <1</td><td></td><td>000</td></t<></td></t<> | | .220 <t< td=""><td>.360 <1</td><td></td><td>000</td></t<> | .360 <1 | | 000 |
| 1992 JUL | .420 <t< td=""><td></td><td>1.500</td><td>.500 <1</td><td></td><td></td></t<> | | 1.500 | .500 <1 | | |
| | 1, 694. | | | | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT PLANT | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | DIST. SYSTEM PEDEN BLVD FREE FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|----------------|---|---|--|---|---|--|
| | METALS | | | = " | 1 | |
| ANTIMONY (UG/L |) | | DET'N LIMIT = 0.0 |)5 GU | IDELINE = 146 (D4) | |
| 1991 JAN | .580 | .650 | .640 | .630 | .840 | .710 |
| 1991 FEB | .590 | .490 <t< td=""><td></td><td></td><td>.620</td><td>.630</td></t<> | | | .620 | .630 |
| 1991 MAR | .600 | .660 | .560 | .380 <t< td=""><td>,900</td><td>.800</td></t<> | ,900 | .800 |
| 1991 APR | .760 | .750 | .820 | .760 | F. | • |
| 1991 MAY | .690 | .570 | .460 <t< td=""><td>.630</td><td>.740</td><td>.810</td></t<> | .630 | .740 | .810 |
| 1991 JUN | .670 | .560 | .580 | .510 | .760 | .660 |
| 1991 JUL | .810 | .590 | .770 | .720 | e * • | |
| 1991 AUG | .700 | .680 | VARIAN E | 1 1 1 | .810 | .930 |
| 1991 SEP | .560 | .500 <t< td=""><td>.420 <t< td=""><td>.610</td><td>.740</td><td>.600</td></t<></td></t<> | .420 <t< td=""><td>.610</td><td>.740</td><td>.600</td></t<> | .610 | .740 | .600 |
| 1991 OCT | .820 | .670 | .540 | .780 | .920 | .850 |
| 1991 NOV | .900 | .660 | .550 | .570 | .780 | .890 |
| 1992 JAN | .750 | .540 | .520 | .570 | 5 | GASSANS: |
| 1992 APR | .550 | .520 | .490 <t< td=""><td>.610</td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td></t<> | .610 | | · · · · · · · · · · · · · · · · · · · |
| 1992 JUL | .400 <t< td=""><td>.420 <t< td=""><td>.560</td><td>.570</td><td>•</td><td>· 2</td></t<></td></t<> | .420 <t< td=""><td>.560</td><td>.570</td><td>•</td><td>· 2</td></t<> | .560 | .570 | • | · 2 |
| 1992 OCT | .840 | .660 | .670 | ,710 | | |
| SELENIUM (UG/L |) | | DET'N LIMIT = 1.0 | 00 GU | IDELINE = 10 (A1) | |
| 1991 JAN | BDL | BDL | BDL | BDL | BDL | 1.300 <t< td=""></t<> |
| 1991 FEB | BDL | BDL | | (**) | 1.200 <t< td=""><td>BDL</td></t<> | BDL |
| 1991 MAR | BDL | BDL | 1.100 <t< td=""><td>BDL</td><td>BDL</td><td>2.300 <t< td=""></t<></td></t<> | BDL | BDL | 2.300 <t< td=""></t<> |
| 1991 APR | BDL | BDL | BDL | BDL | * | |
| 1991 MAY | BDL | BDL | BDL | BDL | BDL | BDL |
| 1991 JUN | BDL | BDL | BDL | BDL | 1.200 <t< td=""><td>BDL</td></t<> | BDL |
| 1991 JUL | BDL | 2.100 <t< td=""><td>1.800 <t< td=""><td>1.800 <t< td=""><td></td><td>5755-577<i>£</i></td></t<></td></t<></td></t<> | 1.800 <t< td=""><td>1.800 <t< td=""><td></td><td>5755-577<i>£</i></td></t<></td></t<> | 1.800 <t< td=""><td></td><td>5755-577<i>£</i></td></t<> | | 5755-577 <i>£</i> |
| 1991 AUG | BDL | BDL | autoperation (CA) | V (a) | BDL | BDL |
| 1991 SEP | BDL | 1.500 <t< td=""><td>BDL</td><td>1.500 <t< td=""><td>1.400 <t< td=""><td>1.400 <t< td=""></t<></td></t<></td></t<></td></t<> | BDL | 1.500 <t< td=""><td>1.400 <t< td=""><td>1.400 <t< td=""></t<></td></t<></td></t<> | 1.400 <t< td=""><td>1.400 <t< td=""></t<></td></t<> | 1.400 <t< td=""></t<> |
| 1991 OCT | BDL | 1.500 <t< td=""><td>1.400 <t< td=""><td>1.100 <t< td=""><td></td><td>1.300 <t< td=""></t<></td></t<></td></t<></td></t<> | 1.400 <t< td=""><td>1.100 <t< td=""><td></td><td>1.300 <t< td=""></t<></td></t<></td></t<> | 1.100 <t< td=""><td></td><td>1.300 <t< td=""></t<></td></t<> | | 1.300 <t< td=""></t<> |
| 1991 NOV | BDL | BDL | BDL | BDL | BDL | 1.200 <t< td=""></t<> |
| 1992 JAN | BDL | 1.300 <t< td=""><td>1,500 <t< td=""><td>1.400 <t< td=""><td></td><td>1</td></t<></td></t<></td></t<> | 1,500 <t< td=""><td>1.400 <t< td=""><td></td><td>1</td></t<></td></t<> | 1.400 <t< td=""><td></td><td>1</td></t<> | | 1 |
| 1992 APR | BDL | BOL | BDL | BDL | (3) | - |
| 1992 JUL | BDL | BOL | BDL | BDL | 型 2 | |
| 1776 006 | DO L | 1.800 <t< td=""><td></td><td>20.5</td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td></t<> | | 20.5 | | · · · · · · · · · · · · · · · · · · · |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT PLANT | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | DIST. SYSTEM PEDEN BLVD FREE FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|----------------|---|---|---|---|---|----------------------------------|
| | METALS | | | | | |
| TRONTIUM (UG/L | .) | | DET'N LIMIT = 0.1 | O GU | IDELINE = N/A | |
| 1991 JAN | 180.000 | 190.000 | 180.000 | 180.000 | 180.000 | 190.000 |
| 1991 FEB | 180.000 | 180.000 | • | . 1.5 | 180.000 | 180.000 |
| 1991 MAR | 180.000 | 180.000 | 170.000 | 180.000 | 170.000 | 160.000 |
| 1991 APR | 180.000 | 180.000 | 180.000 | 170.000 | 50 at | |
| 1991 MAY | 180.000 | 180.000 | 180.000 | 180.000 | 180.000 | 180.000 |
| 1991 JUN | 180.000 | 180.000 | 180.000 | 170.000 | 180,000 | 170.000 |
| 1991 JUL | 180,000 | 180.000 | 180.000 | 170,000 | | * . |
| 1991 AUG | 170,000 | 170.000 | | | 170.000 | 170.000 |
| 1991 SEP | 160.000 | 170.000 | 180.000 | 180.000 | 180.000 | 170.000 |
| 1991 OCT | 180,000 | 180.000 | 180.000 | 180.000 | 180.000 | 180.000 |
| 1991 NOV | 180.000 | 180.000 | 170.000 | 180.000 | 170.000 | 170.000 |
| 1992 JAN | 190.000 | 190.000 | 190.000 | 190.000 | | |
| 1992 APR | 160.000 | 160.000 | 210.000 | 210.000 | | 1 2.0 |
| 1992 JUL | 160.000 | 170.000 | 170.000 | 170.000 | | |
| 1992 OCT | 170.000 | 180.000 | 180.000 | 180.000 | • | |
| TITANIUM (UG/L |) | | DET'N LIMIT = 0.5 | o GU | IDELINE = N/A | |
| 1991 JAN | 2.500 <t< td=""><td>3.000 <t< td=""><td>3.000 <t< td=""><td>3.400 <t< td=""><td>3.000 <t< td=""><td>2.900 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<> | 3.000 <t< td=""><td>3.000 <t< td=""><td>3.400 <t< td=""><td>3.000 <t< td=""><td>2.900 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | 3.000 <t< td=""><td>3.400 <t< td=""><td>3.000 <t< td=""><td>2.900 <t< td=""></t<></td></t<></td></t<></td></t<> | 3.400 <t< td=""><td>3.000 <t< td=""><td>2.900 <t< td=""></t<></td></t<></td></t<> | 3.000 <t< td=""><td>2.900 <t< td=""></t<></td></t<> | 2.900 <t< td=""></t<> |
| 1991 FEB | 1.600 <t< td=""><td>2.700 <t< td=""><td></td><td></td><td>2.400 <t< td=""><td>2.400 <t< td=""></t<></td></t<></td></t<></td></t<> | 2.700 <t< td=""><td></td><td></td><td>2.400 <t< td=""><td>2.400 <t< td=""></t<></td></t<></td></t<> | | | 2.400 <t< td=""><td>2.400 <t< td=""></t<></td></t<> | 2.400 <t< td=""></t<> |
| 1991 MAR | 2.100 <t< td=""><td>3.000 <t< td=""><td>2.800 <t< td=""><td>3.400 <t< td=""><td>3.200 <t< td=""><td>3.600 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<> | 3.000 <t< td=""><td>2.800 <t< td=""><td>3.400 <t< td=""><td>3.200 <t< td=""><td>3.600 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | 2.800 <t< td=""><td>3.400 <t< td=""><td>3.200 <t< td=""><td>3.600 <t< td=""></t<></td></t<></td></t<></td></t<> | 3.400 <t< td=""><td>3.200 <t< td=""><td>3.600 <t< td=""></t<></td></t<></td></t<> | 3.200 <t< td=""><td>3.600 <t< td=""></t<></td></t<> | 3.600 <t< td=""></t<> |
| 1991 APR | 3.500 <t< td=""><td>3.600 <t< td=""><td>3.700 <t< td=""><td>3.800 <t< td=""><td></td><td></td></t<></td></t<></td></t<></td></t<> | 3.600 <t< td=""><td>3.700 <t< td=""><td>3.800 <t< td=""><td></td><td></td></t<></td></t<></td></t<> | 3.700 <t< td=""><td>3.800 <t< td=""><td></td><td></td></t<></td></t<> | 3.800 <t< td=""><td></td><td></td></t<> | | |
| 1991 MAY | 1.600 <t< td=""><td>2.200 <t< td=""><td>1.900 <t< td=""><td>1.600 <t< td=""><td></td><td>1.700 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | 2.200 <t< td=""><td>1.900 <t< td=""><td>1.600 <t< td=""><td></td><td>1.700 <t< td=""></t<></td></t<></td></t<></td></t<> | 1.900 <t< td=""><td>1.600 <t< td=""><td></td><td>1.700 <t< td=""></t<></td></t<></td></t<> | 1.600 <t< td=""><td></td><td>1.700 <t< td=""></t<></td></t<> | | 1.700 <t< td=""></t<> |
| 1991 JUN | 2.000 <t< td=""><td>2.600 <t< td=""><td>2.100 <t< td=""><td>1.800 <t< td=""><td></td><td>2.200 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | 2.600 <t< td=""><td>2.100 <t< td=""><td>1.800 <t< td=""><td></td><td>2.200 <t< td=""></t<></td></t<></td></t<></td></t<> | 2.100 <t< td=""><td>1.800 <t< td=""><td></td><td>2.200 <t< td=""></t<></td></t<></td></t<> | 1.800 <t< td=""><td></td><td>2.200 <t< td=""></t<></td></t<> | | 2.200 <t< td=""></t<> |
| 1991 JUL | 2.800 <t< td=""><td>3.800 <t< td=""><td></td><td>4.200 <t< td=""><td></td><td></td></t<></td></t<></td></t<> | 3.800 <t< td=""><td></td><td>4.200 <t< td=""><td></td><td></td></t<></td></t<> | | 4.200 <t< td=""><td></td><td></td></t<> | | |
| 1991 AUG | 2.000 <t< td=""><td>2,600 <t< td=""><td></td><td></td><td>2.500 <t< td=""><td>2.200 <t< td=""></t<></td></t<></td></t<></td></t<> | 2,600 <t< td=""><td></td><td></td><td>2.500 <t< td=""><td>2.200 <t< td=""></t<></td></t<></td></t<> | | | 2.500 <t< td=""><td>2.200 <t< td=""></t<></td></t<> | 2.200 <t< td=""></t<> |
| 1991 SEP | 1.300 <t< td=""><td>1,100 <t< td=""><td>1.500 <t< td=""><td>1.600 <t< td=""><td></td><td>1.500 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | 1,100 <t< td=""><td>1.500 <t< td=""><td>1.600 <t< td=""><td></td><td>1.500 <t< td=""></t<></td></t<></td></t<></td></t<> | 1.500 <t< td=""><td>1.600 <t< td=""><td></td><td>1.500 <t< td=""></t<></td></t<></td></t<> | 1.600 <t< td=""><td></td><td>1.500 <t< td=""></t<></td></t<> | | 1.500 <t< td=""></t<> |
| 1991 OCT | 1.200 <t< td=""><td>1.800 <t< td=""><td>2.200 <7</td><td>1.600 <t< td=""><td></td><td>1.800 <t< td=""></t<></td></t<></td></t<></td></t<> | 1.800 <t< td=""><td>2.200 <7</td><td>1.600 <t< td=""><td></td><td>1.800 <t< td=""></t<></td></t<></td></t<> | 2.200 <7 | 1.600 <t< td=""><td></td><td>1.800 <t< td=""></t<></td></t<> | | 1.800 <t< td=""></t<> |
| 1991 NOV | 1.500 <t< td=""><td>1.800 <t< td=""><td>1.700 <t< td=""><td>1.900 <t< td=""><td></td><td>1.700 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | 1.800 <t< td=""><td>1.700 <t< td=""><td>1.900 <t< td=""><td></td><td>1.700 <t< td=""></t<></td></t<></td></t<></td></t<> | 1.700 <t< td=""><td>1.900 <t< td=""><td></td><td>1.700 <t< td=""></t<></td></t<></td></t<> | 1.900 <t< td=""><td></td><td>1.700 <t< td=""></t<></td></t<> | | 1.700 <t< td=""></t<> |
| 1992 JAN | 1.100 <7 | 1.200 <t< td=""><td>1.100 <t< td=""><td>1.400 <t< td=""><td></td><td></td></t<></td></t<></td></t<> | 1.100 <t< td=""><td>1.400 <t< td=""><td></td><td></td></t<></td></t<> | 1.400 <t< td=""><td></td><td></td></t<> | | |
| 1992 APR | 4.300 <t< td=""><td>4.400 <t< td=""><td>6.000</td><td>6.300</td><td>***</td><td>•</td></t<></td></t<> | 4.400 <t< td=""><td>6.000</td><td>6.300</td><td>***</td><td>•</td></t<> | 6.000 | 6.300 | *** | • |
| 1992 JUL | 4.100 <t< td=""><td>3.900 <t< td=""><td>3.900 <t< td=""><td>4.100 <t< td=""><td>•</td><td>3.9</td></t<></td></t<></td></t<></td></t<> | 3.900 <t< td=""><td>3.900 <t< td=""><td>4.100 <t< td=""><td>•</td><td>3.9</td></t<></td></t<></td></t<> | 3.900 <t< td=""><td>4.100 <t< td=""><td>•</td><td>3.9</td></t<></td></t<> | 4.100 <t< td=""><td>•</td><td>3.9</td></t<> | • | 3. 9 |
| 1992 OCT | 1.800 <t< td=""><td>3.700 <1</td><td>2.900 <t< td=""><td>3.800 <t< td=""><td></td><td></td></t<></td></t<></td></t<> | 3.700 <1 | 2.900 <t< td=""><td>3.800 <t< td=""><td></td><td></td></t<></td></t<> | 3.800 <t< td=""><td></td><td></td></t<> | | |
| THALLIUM (UG/L |) | | DET'N LIMIT = 0.0 |)5 GU | IDELINE = 13 (D4) | |
| 74 SAMPLES | BDL | BDL | BDL | BDL | BDL | BDL |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | | TREATMENT PLANT TREATED | | DIST. SYSTEM ALDERSHOT AVE STANDING | DIST. SYSTEM PEDEN BLVD FREE FLOW | |
|----------------------------------|---|--|---|--|--|----------------------|
| | METALS - | × 17 - | | - | ia ²⁰¹ 8 | |
| URANIUM (UG/L |) | er | DET'N LIMIT = 0.0 | 5 GUI | DELINE = 100 (A1) | |
| 1991 JAN | .310 <t< td=""><td>.350 <t< td=""><td>.370 <t< td=""><td>.350 <t< td=""><td>.320 <t< td=""><td>.330 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<> | .350 <t< td=""><td>.370 <t< td=""><td>.350 <t< td=""><td>.320 <t< td=""><td>.330 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | .370 <t< td=""><td>.350 <t< td=""><td>.320 <t< td=""><td>.330 <t< td=""></t<></td></t<></td></t<></td></t<> | .350 <t< td=""><td>.320 <t< td=""><td>.330 <t< td=""></t<></td></t<></td></t<> | .320 <t< td=""><td>.330 <t< td=""></t<></td></t<> | .330 <t< td=""></t<> |
| 1991 FEB | .270 <t< td=""><td>.310 <t< td=""><td>78</td><td>· 1 · · · · · · · · · · · · · · · · · ·</td><td>.320 <t< td=""><td>.340 <t< td=""></t<></td></t<></td></t<></td></t<> | .310 <t< td=""><td>78</td><td>· 1 · · · · · · · · · · · · · · · · · ·</td><td>.320 <t< td=""><td>.340 <t< td=""></t<></td></t<></td></t<> | 78 | · 1 · · · · · · · · · · · · · · · · · · | .320 <t< td=""><td>.340 <t< td=""></t<></td></t<> | .340 <t< td=""></t<> |
| 1991 MAR | .300 <t< td=""><td>.320 <t< td=""><td>.320 <t< td=""><td>.270 <t< td=""><td>.350 <t< td=""><td>.310 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<> | .320 <t< td=""><td>.320 <t< td=""><td>.270 <t< td=""><td>.350 <t< td=""><td>.310 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | .320 <t< td=""><td>.270 <t< td=""><td>.350 <t< td=""><td>.310 <t< td=""></t<></td></t<></td></t<></td></t<> | .270 <t< td=""><td>.350 <t< td=""><td>.310 <t< td=""></t<></td></t<></td></t<> | .350 <t< td=""><td>.310 <t< td=""></t<></td></t<> | .310 <t< td=""></t<> |
| 1991 APR | .320 <t< td=""><td>.360 <t< td=""><td>.350 <t< td=""><td>.350 <t< td=""><td></td><td></td></t<></td></t<></td></t<></td></t<> | .360 <t< td=""><td>.350 <t< td=""><td>.350 <t< td=""><td></td><td></td></t<></td></t<></td></t<> | .350 <t< td=""><td>.350 <t< td=""><td></td><td></td></t<></td></t<> | .350 <t< td=""><td></td><td></td></t<> | | |
| 1991 MAY | .270 <t< td=""><td>.300 <t< td=""><td>.330 <t< td=""><td>.280 <t< td=""><td></td><td>.300 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | .300 <t< td=""><td>.330 <t< td=""><td>.280 <t< td=""><td></td><td>.300 <t< td=""></t<></td></t<></td></t<></td></t<> | .330 <t< td=""><td>.280 <t< td=""><td></td><td>.300 <t< td=""></t<></td></t<></td></t<> | .280 <t< td=""><td></td><td>.300 <t< td=""></t<></td></t<> | | .300 <t< td=""></t<> |
| 1991 JUN | .320 <t< td=""><td>.330 <t< td=""><td>.310 <t< td=""><td>.330 <t< td=""><td>.290 <t< td=""><td>.320 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<> | .330 <t< td=""><td>.310 <t< td=""><td>.330 <t< td=""><td>.290 <t< td=""><td>.320 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | .310 <t< td=""><td>.330 <t< td=""><td>.290 <t< td=""><td>.320 <t< td=""></t<></td></t<></td></t<></td></t<> | .330 <t< td=""><td>.290 <t< td=""><td>.320 <t< td=""></t<></td></t<></td></t<> | .290 <t< td=""><td>.320 <t< td=""></t<></td></t<> | .320 <t< td=""></t<> |
| 1991 JUL | .350 <t< td=""><td>.340 <t< td=""><td>.390 <t< td=""><td>.300 <t< td=""><td></td><td></td></t<></td></t<></td></t<></td></t<> | .340 <t< td=""><td>.390 <t< td=""><td>.300 <t< td=""><td></td><td></td></t<></td></t<></td></t<> | .390 <t< td=""><td>.300 <t< td=""><td></td><td></td></t<></td></t<> | .300 <t< td=""><td></td><td></td></t<> | | |
| 1991 AUG | .300 <t< td=""><td>.350 <t< td=""><td></td><td></td><td>.300 <t< td=""><td>.300 <t< td=""></t<></td></t<></td></t<></td></t<> | .350 <t< td=""><td></td><td></td><td>.300 <t< td=""><td>.300 <t< td=""></t<></td></t<></td></t<> | | | .300 <t< td=""><td>.300 <t< td=""></t<></td></t<> | .300 <t< td=""></t<> |
| 1991 SEP | .280 <t< td=""><td>.360 <t< td=""><td>.370 <t< td=""><td>.420 <t< td=""><td>.310 <t< td=""><td></td></t<></td></t<></td></t<></td></t<></td></t<> | .360 <t< td=""><td>.370 <t< td=""><td>.420 <t< td=""><td>.310 <t< td=""><td></td></t<></td></t<></td></t<></td></t<> | .370 <t< td=""><td>.420 <t< td=""><td>.310 <t< td=""><td></td></t<></td></t<></td></t<> | .420 <t< td=""><td>.310 <t< td=""><td></td></t<></td></t<> | .310 <t< td=""><td></td></t<> | |
| 1991 OCT | .300 <t< td=""><td>.350 <t< td=""><td>.360 <t< td=""><td>.320 <t< td=""><td>.350 <t< td=""><td>.350 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<> | .350 <t< td=""><td>.360 <t< td=""><td>.320 <t< td=""><td>.350 <t< td=""><td>.350 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | .360 <t< td=""><td>.320 <t< td=""><td>.350 <t< td=""><td>.350 <t< td=""></t<></td></t<></td></t<></td></t<> | .320 <t< td=""><td>.350 <t< td=""><td>.350 <t< td=""></t<></td></t<></td></t<> | .350 <t< td=""><td>.350 <t< td=""></t<></td></t<> | .350 <t< td=""></t<> |
| 1991 NOV | .350 <t< td=""><td>.410 <t< td=""><td>.300 <t< td=""><td>.330 <t< td=""><td>.330 <t< td=""><td>.330 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<> | .410 <t< td=""><td>.300 <t< td=""><td>.330 <t< td=""><td>.330 <t< td=""><td>.330 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | .300 <t< td=""><td>.330 <t< td=""><td>.330 <t< td=""><td>.330 <t< td=""></t<></td></t<></td></t<></td></t<> | .330 <t< td=""><td>.330 <t< td=""><td>.330 <t< td=""></t<></td></t<></td></t<> | .330 <t< td=""><td>.330 <t< td=""></t<></td></t<> | .330 <t< td=""></t<> |
| 1992 JAN | .340 <t< td=""><td>.360 <t< td=""><td>.390 <t< td=""><td>.410 <t< td=""><td></td><td></td></t<></td></t<></td></t<></td></t<> | .360 <t< td=""><td>.390 <t< td=""><td>.410 <t< td=""><td></td><td></td></t<></td></t<></td></t<> | .390 <t< td=""><td>.410 <t< td=""><td></td><td></td></t<></td></t<> | .410 <t< td=""><td></td><td></td></t<> | | |
| 1992 APR | .320 <t< td=""><td>.350 <t< td=""><td>.330 <t< td=""><td>.350 <t< td=""><td></td><td>= 8 × -</td></t<></td></t<></td></t<></td></t<> | .350 <t< td=""><td>.330 <t< td=""><td>.350 <t< td=""><td></td><td>= 8 × -</td></t<></td></t<></td></t<> | .330 <t< td=""><td>.350 <t< td=""><td></td><td>= 8 × -</td></t<></td></t<> | .350 <t< td=""><td></td><td>= 8 × -</td></t<> | | = 8 × - |
| 1992 JUL | .260 <t< td=""><td></td><td>.340 <t< td=""><td></td><td></td><td></td></t<></td></t<> | | .340 <t< td=""><td></td><td></td><td></td></t<> | | | |
| 1992 OCT | .370 <t< td=""><td>.310 <t< td=""><td>.340 <t< td=""><td>.380 <t< td=""><td></td><td></td></t<></td></t<></td></t<></td></t<> | .310 <t< td=""><td>.340 <t< td=""><td>.380 <t< td=""><td></td><td></td></t<></td></t<></td></t<> | .340 <t< td=""><td>.380 <t< td=""><td></td><td></td></t<></td></t<> | .380 <t< td=""><td></td><td></td></t<> | | |
| VANADIUM (UG/L |) | | DET'N LIMIT = 0.09 | 5 GUI | DELINE = N/A | |
| 1991 JAN | .160 <t< td=""><td>.140 <t< td=""><td>.160 <t< td=""><td>.160 <t< td=""><td>.120 <t< td=""><td>.140 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<> | .140 <t< td=""><td>.160 <t< td=""><td>.160 <t< td=""><td>.120 <t< td=""><td>.140 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | .160 <t< td=""><td>.160 <t< td=""><td>.120 <t< td=""><td>.140 <t< td=""></t<></td></t<></td></t<></td></t<> | .160 <t< td=""><td>.120 <t< td=""><td>.140 <t< td=""></t<></td></t<></td></t<> | .120 <t< td=""><td>.140 <t< td=""></t<></td></t<> | .140 <t< td=""></t<> |
| 1991 FEB | .090 <t< td=""><td>.090 <t< td=""><td>(a)</td><td></td><td>BDL</td><td>.100 <t< td=""></t<></td></t<></td></t<> | .090 <t< td=""><td>(a)</td><td></td><td>BDL</td><td>.100 <t< td=""></t<></td></t<> | (a) | | BDL | .100 <t< td=""></t<> |
| 1991 MAR | .120 <t< td=""><td>.060 <t< td=""><td>.090 <t< td=""><td>BDL</td><td>.140 <t< td=""><td>.170 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | .060 <t< td=""><td>.090 <t< td=""><td>BDL</td><td>.140 <t< td=""><td>.170 <t< td=""></t<></td></t<></td></t<></td></t<> | .090 <t< td=""><td>BDL</td><td>.140 <t< td=""><td>.170 <t< td=""></t<></td></t<></td></t<> | BDL | .140 <t< td=""><td>.170 <t< td=""></t<></td></t<> | .170 <t< td=""></t<> |
| 1991 APR | .170 <t< td=""><td>.120 <t< td=""><td>.220 <t< td=""><td>.200 <t< td=""><td>The state of the s</td><td></td></t<></td></t<></td></t<></td></t<> | .120 <t< td=""><td>.220 <t< td=""><td>.200 <t< td=""><td>The state of the s</td><td></td></t<></td></t<></td></t<> | .220 <t< td=""><td>.200 <t< td=""><td>The state of the s</td><td></td></t<></td></t<> | .200 <t< td=""><td>The state of the s</td><td></td></t<> | The state of the s | |
| 1991 MAY | .090 <t< td=""><td>.110 <t< td=""><td>. 120 <t< td=""><td>BDL</td><td>.070 <t< td=""><td></td></t<></td></t<></td></t<></td></t<> | .110 <t< td=""><td>. 120 <t< td=""><td>BDL</td><td>.070 <t< td=""><td></td></t<></td></t<></td></t<> | . 120 <t< td=""><td>BDL</td><td>.070 <t< td=""><td></td></t<></td></t<> | BDL | .070 <t< td=""><td></td></t<> | |
| 1991 JUN | .130 <t< td=""><td>.140 <t< td=""><td>.180 <t< td=""><td>.140 <t< td=""><td>.120 <t< td=""><td>.120 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<> | .140 <t< td=""><td>.180 <t< td=""><td>.140 <t< td=""><td>.120 <t< td=""><td>.120 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | .180 <t< td=""><td>.140 <t< td=""><td>.120 <t< td=""><td>.120 <t< td=""></t<></td></t<></td></t<></td></t<> | .140 <t< td=""><td>.120 <t< td=""><td>.120 <t< td=""></t<></td></t<></td></t<> | .120 <t< td=""><td>.120 <t< td=""></t<></td></t<> | .120 <t< td=""></t<> |
| 1991 JUL | BDL | .060 <t< td=""><td>BDL</td><td>.080 <t< td=""><td>- X-X</td><td></td></t<></td></t<> | BDL | .080 <t< td=""><td>- X-X</td><td></td></t<> | - X-X | |
| 1991 AUG | .100 <t< td=""><td>.070 <t< td=""><td>•</td><td></td><td>.060 <t< td=""><td></td></t<></td></t<></td></t<> | .070 <t< td=""><td>•</td><td></td><td>.060 <t< td=""><td></td></t<></td></t<> | • | | .060 <t< td=""><td></td></t<> | |
| 1991 SEP | .130 <t< td=""><td></td><td></td><td>BOL</td><td>BDL</td><td>.070 <t< td=""></t<></td></t<> | | | BOL | BDL | .070 <t< td=""></t<> |
| 1991 OCT | .130 <t< td=""><td>.090 <t< td=""><td>.090 <t< td=""><td>.070 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<> | .090 <t< td=""><td>.090 <t< td=""><td>.070 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<></td></t<></td></t<> | .090 <t< td=""><td>.070 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<></td></t<> | .070 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<> | | .100 <t< td=""></t<> |
| 1991 NOV | BDL | BDL | BDL | .070 <t< td=""><td>BDL</td><td>BDL</td></t<> | BDL | BDL |
| | BDL | BDL | BDL | BOL | | |
| 1992 JAN | | BDL | .230 <t< td=""><td>.260 <t< td=""><td></td><td>2 25</td></t<></td></t<> | .260 <t< td=""><td></td><td>2 25</td></t<> | | 2 25 |
| | BDL | DUL | | | | |
| 1992 JAN 1992 APR 1992 JUL | .250 <t< td=""><td>.260 <t< td=""><td>.240 <t< td=""><td>.250 <t< td=""><td>(0.5)</td><td></td></t<></td></t<></td></t<></td></t<> | .260 <t< td=""><td>.240 <t< td=""><td>.250 <t< td=""><td>(0.5)</td><td></td></t<></td></t<></td></t<> | .240 <t< td=""><td>.250 <t< td=""><td>(0.5)</td><td></td></t<></td></t<> | .250 <t< td=""><td>(0.5)</td><td></td></t<> | (0.5) | |

TABLE 4 DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT PLANT RAW | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | DIST. SYSTEM PEDEN BLVD FREE FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|-----------|---|---|---|---|------------------------------------|--|
| | METALS | | | | | |
| INC (UG/L |) | | DET'N LIMIT = 0.20 | O GL | JIDELINE = 5000 (A3 |) |
| 1991 JAN | 1.800 <t< td=""><td>1.400 <t< td=""><td>2.000 <t< td=""><td>3.900</td><td>2.300</td><td>3.600</td></t<></td></t<></td></t<> | 1.400 <t< td=""><td>2.000 <t< td=""><td>3.900</td><td>2.300</td><td>3.600</td></t<></td></t<> | 2.000 <t< td=""><td>3.900</td><td>2.300</td><td>3.600</td></t<> | 3.900 | 2.300 | 3.600 |
| 1991 FEB | 2.800 | 2.400 | 2 | | 2.600 | 4.200 |
| 1991 MAR | 3.300 | 2.200 | 2.300 | 3.000 | 3.000 | 3.800 |
| 1991 APR | 5.700 | 2.900 | 3.200 | 5.100 | 4 2 | • |
| 1991 MAY | BDL | BDL | .350 <t< td=""><td>4.600</td><td>.340 <t< td=""><td>7.700</td></t<></td></t<> | 4.600 | .340 <t< td=""><td>7.700</td></t<> | 7.700 |
| 1991 JUN | 2.900 | 2.500 | 2.000 <t< td=""><td>3.200</td><td>2.900</td><td>3.300</td></t<> | 3.200 | 2.900 | 3.300 |
| 1991 JUL | 4.900 | 5.500 | 4.400 | 24.000 | • | • |
| 1991 AUG | 2.100 | 1.600 <t< td=""><td></td><td>- FR</td><td>2.300</td><td>3.500</td></t<> | | - FR | 2.300 | 3.500 |
| 1991 SEP | 1.900 <t< td=""><td>1.400 <t< td=""><td>2.300</td><td>5.000</td><td>2.300</td><td>5.500</td></t<></td></t<> | 1.400 <t< td=""><td>2.300</td><td>5.000</td><td>2.300</td><td>5.500</td></t<> | 2.300 | 5.000 | 2.300 | 5.500 |
| 1991 OCT | 1.800 <t< td=""><td>2.100</td><td>1.200 <t< td=""><td>2.400</td><td>6.000</td><td>6.100</td></t<></td></t<> | 2.100 | 1.200 <t< td=""><td>2.400</td><td>6.000</td><td>6.100</td></t<> | 2.400 | 6.000 | 6.100 |
| 1991 NOV | 3.000 | 2.500 | 2.500 | 4.000 | 7.200 | 7.800 |
| 1992 JAN | 4.000 | 3.000 | 4.700 | 5.100 | | * |
| 1992 APR | 2.000 <t< td=""><td>1.900 <t< td=""><td>4.300</td><td>6.200</td><td></td><td></td></t<></td></t<> | 1.900 <t< td=""><td>4.300</td><td>6.200</td><td></td><td></td></t<> | 4.300 | 6.200 | | |
| 1992 JUL | 2.700 | 1.500 <t< td=""><td>2.400</td><td>2.800</td><td></td><td></td></t<> | 2.400 | 2.800 | | |
| 1992 OCT | 3.700 | 4.400 | 3.500 | 5.400 | | 1 |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| TREAT | MENT PLANT | TREATE | CONTRACTOR OF THE PROPERTY. | | DIST. SYSTEM ALDERSHOT AVE STANDING | | PEDEN BLVD |
|---------------------------|---------------------|--------|-----------------------------|--------------------|---|--------------------|------------|
| CH HEXACHLOROBUTADIÈNE | LOROAROMAT (NG/L | | | DET'N LIMIT = 1.00 | 00 GU I | DELINE = 450 (D4) | <i></i> |
| 38 SAMPLES | BDL | | BDL | BDL | v (* | BDL | |
| 123-TRICHLOROBENZENE | (NG/L |) | | DET'N LIMIT = 5.00 | 00 GU I | DELINE = N/A | |
| 38 SAMPLES | BDL | | BDL. | BDL | | BDL | 0 |
| 1234-TETCLOROBENZENE | (NG/L |) | = '0' | DET'N LIMIT = 1.00 | 00 GU1 | DELINE = N/A | |
| 38 SAMPLES | BDL | | BDL | BDL | · . | BDL | • |
| 1235-TETCLOROBENZENE | (NG/L |) | | DET'N LIMIT = 1.0 | 00 GU1 | DELINE = N/A | · . |
| 38 SAMPLES | BDL | | BDL | BDL | | BDL | |
| 124-TRICHLOROBENZENE | (NG/L |) | = | DET'N LIMIT = 5.0 | 00 GU1 | DELINE = 10000 (I |) |
| 38 SAMPLES | BDL | | BDL | BDL | | BDL | |
| 1245-TETCLOROBENZENE | (NG/L |) | | DET'N LIMIT = 1.0 | 00 GU1 | DELINE = 38000 (De | 4) |
| 38 SAMPLES | BDL | | BDL | BDL | | BDL | |
| 135-TRICHLOROBENZENE | (NG/L |) | | DET'N LIMIT = 5.0 | 00 GU1 | DELINE = N/A | |
| 38 SAMPLES | BDL | | BDL | BDL | s | BDL | |
| HEXACHLOROBENZENE (N | G/L) | •••• | ••••• | DET'N LIMIT = 1.0 | 00 GU1 | DELINE = 10 (C1) | 8 |
| 38 SAMPLES | BDL | | BDL | BDL | . II 84 X | BDL | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| TREATM RAW | ENT PL | ANT | TREAT | | LANT | DIST. SYSTEM ALDERSHOT AV FREE FLOW | E AL | ST. SYSTEM DERSHOT AV | E PEDEN | SYSTEM BLVD FLOW | DIST. PEDEN STANDI | BLVD | |
|-----------------------|--------|---|-------|-------|-------|---|---|--------------------------|-----------|---|--------------------------|----------------|----------|
| CHL | OROARO | MATI | cs | | | | • | | | | | ٠., | 1 |
| HEXACHLOROETHANE (NG/ | L |) | | | 1911 | DET'N LIMIT = | 1.000 | | GUIDELINE | = 1900 (D4 |) | | |
| 1991 JAN | BDL | | | BDL | | BDL | | | | BDL | | • | |
| 1991 FEB | BDL | | | BDL | | | | ii . | | ILA | | | |
| 1991 MAR | BDL | | | BDL | | BDL | | | | BDL | | • | |
| 1991 APR | BDL | | | BOL | | BDL | | (3●) | | | Š | 0€0 | |
| 1991 MAY | BDL | | | BDL | | BDL | | 5a 4 6 | | BDL | | (* €0) | |
| 1991 JUN | BDL | | | BDL | | 6.000 | <1 | • | | BDL | | 700 | |
| 1991 JUL | ! AW | | | ! AW | | ! AW | | | | • | | • | |
| 1991 AUG | ! AW | | | !AW | | | | • | | ! AW | | • | |
| 1991 SEP | ! AW | | | ! AW | | ! AW | | • | | ! AW | V con | | |
| 1991 OCT | BDL | | | 6.000 | 10.50 | 2.000 | <1 | | | 4.000 <t< td=""><td></td><td></td><td></td></t<> | | | |
| | 1.000 | <t< td=""><td></td><td>2.000</td><td></td><td>BDL</td><td></td><td>Xes</td><td></td><td>2.000 <t< td=""><td></td><td>•</td><td></td></t<></td></t<> | | 2.000 | | BDL | | Xes | | 2.000 <t< td=""><td></td><td>•</td><td></td></t<> | | • | |
| 1992 JAN | BDL | | | 1.000 | | 1.000 | <t< td=""><td>•</td><td></td><td>•</td><td></td><td></td><td>19</td></t<> | • | | • | | | 19 |
| 1992 APR | BDL | | že . | BDL | | BDL | | | | # (# 1 | | • | |
| 1992 OCT | BDL | | | BDL | | BDL | | | | 00 (| | | |
| OCTACHLOROSTYRENE (NG | /L |) | | | > | DET'N LIMIT = | 1.000 | | GUIDELINE | = N/A | 2.5 | * | |
| 38 SAMPLES | BDL | | | BDL | 51 | BOL | | | | BDL | -1 | • | |
| PENTACHLOROBENZENE (N | G/L |) | | 5 | | DET'N LIMIT = | 1.000 | | GUIDELINE | = 74000 (0 | 4) | | |
| 38 SAMPLES | BDL | | | BDL | | BDL | | | | BDL | , · | | ı |
| 236-TRICHLOROTOLUENE | (NG/L | |) | 9 | | DET'N LIMIT = | 5.000 | | GUIDELINE | = N/A | | | |
| 38 SAMPLES | BDL | | 2002 | BDL | | BDL | | | | BDL | | | |
| 245-TRICHLOROTOLUENE | (NG/L | |) | | | DET'N LIMIT = | 5.000 | | GUIDELINE | = N/A | | | |
| 38 SAMPLES | BDL | | 5 | BDL | 7/ | BDL | :/' | | | BDL | 10.7 | • | <u> </u> |
| 26A-TRICHLOROTOLUENE | (NG/L | |) | × = | | DET'N LIMIT = | 5.000 | | GUIDELINE | = N/A | | | |
| 38 SAMPLES | BDL | | | BDL | | BDL | | | | · BDL | | • | |

| TRI RAI | EATMENT PI | | ATMENT PLANT ATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | DIST. SYSTEM PEDEN BLVD FREE FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|-------------------|------------|------|----------------------|--|---|---|----------------------------------|
| 234-TRICHLOROPHEN | CHLOROPHE | NOLS | v . | DET'N LIMIT = 10 | n.n aı | IDELINE = N/A | V . |
| 2 SAMPLES | BDL | | BDL | · | | | . = 11 > • ≥0 |
| 2345-TETCHLOROPHE | NOL (NG/L |) | | DET'N LIMIT = 20 | .0 GU | IDELINE = N/A | _ |
| 2 SAMPLES | BDL | | BDL | *** | | • | 8 6 3 8 |
| 2356-TETCHLOROPHE | NOL (NG/L |) | = | DET'N LIMIT = 10 | .0 GU | IDELINE = N/A | |
| 2 SAMPLES | BDL | | BDL | | £ | | n, |
| 245-TRICHLOROPHEN | DL (NG/L |) | | DET'N LIMIT = 10 | 0.0 GU | IDELINE = 2600000 | (D4) |
| 2 SAMPLES | BDL | | BDL | · a . | 155 3€ 27 | • | "." |
| 246-TRICHLOROPHEN | OL (NG/L |) | (a) | DET'N LIMIT = 20 | .0 GU | IDELINE = 5000 (A1 |) |
| 2 SAMPLES | BDL | | BDL | e • | | a, * | |
| PENTACHLOROPHENOL | (NG/L |) | | DET'N LIMIT = 10 | .00 GU | IDELINE = 60000 (/ | (1) |
| 2 SAMPLES | BDL | | BDL | | 9 54. . | , ■,, | × z• |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT PLANT | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | DIST. SYSTEM PEDEN BLVD FREE FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|----------------------|---|---|--|---|---|---|
| | PESTICIDES AN | D PCB | | | | |
| LDRIN (NG/L | , | | DET'N LIMIT = 1.0 | 00 GU | IDELINE = 700 (A1) | e: |
| 38 SAMPLES | BDL | BDL | BDL | • | BDL | |
| ALPHA BHC (NG/ | L) | | DET'N LIMIT = 1.0 | 00 GU | IDELINE = 700 (G) | |
| 1991 JAN | 1.000 <t< td=""><td>BDL</td><td>2.000 <t< td=""><td>•</td><td>1.000 <t< td=""><td></td></t<></td></t<></td></t<> | BDL | 2.000 <t< td=""><td>•</td><td>1.000 <t< td=""><td></td></t<></td></t<> | • | 1.000 <t< td=""><td></td></t<> | |
| 1991 FEB | 2.000 <t< td=""><td>2.000 <t< td=""><td>100000000000000000000000000000000000000</td><td></td><td>!LA</td><td><u>~</u></td></t<></td></t<> | 2.000 <t< td=""><td>100000000000000000000000000000000000000</td><td></td><td>!LA</td><td><u>~</u></td></t<> | 100000000000000000000000000000000000000 | | !LA | <u>~</u> |
| 1991 MAR | BDL | 2.000 <t< td=""><td>2.000 <t< td=""><td></td><td>2.000 <t< td=""><td></td></t<></td></t<></td></t<> | 2.000 <t< td=""><td></td><td>2.000 <t< td=""><td></td></t<></td></t<> | | 2.000 <t< td=""><td></td></t<> | |
| 1991 APR | 1.000 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""><td></td><td></td><td></td></t<></td></t<></td></t<> | 1.000 <t< td=""><td>1.000 <t< td=""><td></td><td></td><td></td></t<></td></t<> | 1.000 <t< td=""><td></td><td></td><td></td></t<> | | | |
| 1991 MAY | BDL | BDL | 2.000 <t< td=""><td>· · · · · · · · · · · · · · · · · · ·</td><td>BDL</td><td></td></t<> | · · · · · · · · · · · · · · · · · · · | BDL | |
| | BDL | BDL | BDL | •1 5 | BDL | |
| 1991 JUN | !AW | IAW | IAW | | DOL | • |
| 1991 JUL | | IAW | | • | IAV | • |
| 1991 AUG | IAW | 57.575 | 100 | • | I AV | • |
| 1991 SEP | IAW | IAW | IAW | | BDL | |
| 1991 OCT | BDL 4 000 at | BDL | BDL 2.000 <t< td=""><td>* •</td><td>1.000 <t< td=""><td></td></t<></td></t<> | * • | 1.000 <t< td=""><td></td></t<> | |
| 1991 NOV | 1.000 <t< td=""><td>BDL</td><td></td><td></td><td>1.000 \1</td><td>•</td></t<> | BDL | | | 1.000 \1 | • |
| 1992 JAN | 1.000 <t< td=""><td>BDL</td><td>BDL</td><td></td><td></td><td>•</td></t<> | BDL | BDL | | | • |
| 1992 APR | BDL | 2.000 <t< td=""><td>BDL</td><td></td><td></td><td></td></t<> | BDL | | | |
| 1992 OCT | 1.000 <7 | 1.000 <t< td=""><td>BDL</td><td></td><td></td><td>·</td></t<> | BDL | | | · |
| BETA BHC (NG/L | .) | | DET'N LIMIT = 1.0 | 10 GU | IDELINE = 300 (G) | 1 8 |
| 38 SAMPLES | BDL | BOL | BDL . | • | BDL | # <u>#</u> |
| LINDANE (GAMMA | BHC) (NG/L) | V | DET'N LIMIT = 1. | 000 GU | IDELINE = 4000 (A1 |) |
| 1991 JAN | BDL | BDL | BDL | > a | BDL | 101 |
| 1991 FEB | BDL | BDL | | | ILA | |
| 1991 MAR | BDL | BDL | 2.000 <t< td=""><td></td><td>BDL</td><td></td></t<> | | BDL | |
| 1991 APR | BDL | BDL | - BDL | | (751ta) | |
| 1991 MAY | BDL | BDL | BDL | 15. | BDL | |
| 1991 JUN | BDL | BDL | BOL | | BDL | |
| 1991 JUL | IAW | IAW | IAW | | | • |
| 1991 JUL 1991 AUG | !AV | IAV | | | !AV | |
| | | ! AW | IAW | · · · · · · · | IAW | • |
| 1991 SEP | !AV | BDL | BDL | • | BDL | - |
| 1991 OCT | BDL | | BOL | | BDL | . • |
| 1991 NOV | BDL | BDL | 1 T T T T T T T T T T T T T T T T T T T | | BUL | |
| 1992 JAN | BDL | BDL | . BDL | • | | |
| 1992 APR | BDL | BDL | BDL | | • | |
| 1992 OCT | BDL | BDL | BDL | | | |
| ALPHA CHLORDAN | NE (NG/L) | | DET'N LIMIT = 2. | 000 GU | IDELINE = 7000 (A1 |) |
| 38 SAMPLES | BDL | BDL | BDL | | BDL | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT RAW | PLANT | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | | DIST. SYSTEM PEDEN BLVD STANDING |
|------------------|------------------|-------|----------------------------|--|---|--------------------|--|
| GAMMA CHLORDANE | PESTIC: | | D PCB | DET'N LIMIT = 2.0 | 0 GU | IDELINE = 7000 (A |) |
| 38 SAMPLES | В |)L | BDL | BDL | # DES | BDL | |
| DIELDRIN (NG/L |) | | | DET'N LIMIT = 2.0 | 0 GU | IDELINE = 700 (A1) | |
| 38 SAMPLES | ВС |)L | BDL | BDL | .• | BDL | |
| METHOXYCHLOR (N | G/L) | | | DET'N LIMIT = 5.0 | GU | IDELINE = 900000 | (A1) |
| 38 SAMPLES | В | DL | BDL | BDL | | BDL | |
| ENDOSULFAN 1 (NO | G/L) | · | ••••• | DET'N LIMIT = 2.0 | 0 GU | IDELINE = 74000 (| 94) |
| 38 SAMPLES | ВС | DL | BDL | BDL | | BDL | * |
| ENDOSULFAN II (| NG/L |). | | DET'N LIMIT = 5.0 | 00 GU | IDELINE = 74000 (| 94) |
| 38 SAMPLES | ВС |)L | BDL | BDL | | BDL | • |
| ENDRIN (NG/L |) | ••••• | | DET'N LIMIT = 5.0 | 00 GU | IDELINE = 1600 (D | 5) |
| 38 SAMPLES | ВС | DL | BDL | BDL | | BDL | |
| ENDOSULFAN SULP | HATE (NG/ | .) | ••••• | DET'N LIMIT = 5.0 | 0 GU | IDELINE = N/A | |
| 38 SAMPLES | ВС |)L | BDL | BDL | -80 -80 | BDL | . v |
| HEPTACHLOR EPOX | IDE (NG/L |) | | DET'N LIMIT = 1.0 | 00 GU | IDELINE = 3000 (A | 1) |
| 24 SAMPLES | ВС | DL | BDL | BDL | • | BDL | v |
| HEPTACHLOR (NG/ | L - ,) | | | DET'N LIMIT = 1.0 | 00 GU | IDELINE = 3000 (A |) |
| 38 SAMPLES | ВС |)L | BDL | BDL | • | BDL | |
| MIREX (NG/L |) | inc h | | DET'N LIMIT = 5.0 | 00 GU | IDELINE = N/A | |
| 38 SAMPLES | ВС | DL | BDL | BDL | | BDL | |
| OXYCHLORDANE (NO | G/L) | | | DET'N LIMIT = 2.0 | 00 GU | IDELINE = N/A | |
| 38 SAMPLES | ВС | DL | BDL | BDL | • | BDL | •1 |
| O,P-DDT (NG/L |) | | | DET'N LIMIT = 5.0 | 00 GU | IDELINE = 30000 (/ | (1) |
| 38 SAMPLES | BC |)L | BDL | BDL | | BDL | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| 14.5 | REATMENT PLA | NT TREATMENT PLANT TREATED | ALDERSHOT AVE FREE FLOW | | | DIST. SYSTEM PEDEN BLVD STANDING |
|-----------------|--------------|---|----------------------------|----------|-----------------------|----------------------------------|
| PCB (NG/L) | PESTICIDES | AND PCB | DET'N LIMIT = | 20.00 | GUIDELINE = 3000 (A2) | |
| 38 SAMPLES | BDL | BDL | BDL | | . BDL | <u>.</u> |
| P,P-DDD (NG/L |) | | DET'N LIMIT = | 5.000 | GUIDELINE = 30000 (A1 |) |
| 38 SAMPLES | BDL | BDL | BDL | | . BDL | |
| P,P-DDE (NG/L |) , | | DET'N LIMIT = | 1.000 | GUIDELINE = 30000 (A1 |) |
| 38 SAMPLES | BDL | BOL | BDL | | . BDL | • |
| P,P-DDT (NG/L |) | | DET'N LIMIT = | 5.000 | GUIDELINE = 30000 (A1 |) |
| 38 SAMPLES | BDL | BDL | , BDL | | . BDL | |
| TOXAPHENE (NG/L |) | | DET'N LIMIT = | 500.0 | GUIDELINE = 5000 (A1) | |
| 28 SAMPLES | BDL | BDL | BDL | | . BDL | |
| AMETRINE (NG/L |) | | DET'N LIMIT = | 50.0 | GUIDELINE = 300000 (D | 3) |
| 17 SAMPLES | BDL | BDL | | a a e | | |
| ATRAZINE (NG/L |) | . 4 | DET'N LIMIT = | 50.0 | GUIDELINE = 60000 (A2 |) |
| 1991 JAN | 210.000 | <t !!s<="" td=""><td>· ·</td><td></td><td></td><td></td></t> | · · | | | |
| 1991 FEB | BDL | BOL | *** | (2) | • ~ | ((●) |
| 1991 MAR | BDL | 80.000 <t< td=""><td>•</td><td></td><td>•</td><td>20 0€</td></t<> | • | | • | 20 0€ |
| 1991 APR | 100.000 | <t -="" 110.000="" <t<="" td=""><td></td><td></td><td>. • *</td><td>S S#</td></t> | | | . • * | S S# |
| 1991 MAY | BDL | BDL | | | | • |
| 1991 JUN | !AW | IAW | h | | | • |
| 1991 JUL | ! AW | IAV | | | • | • |
| 1991 AUG | 1 AW | IAV | - H | | _E ~ = | |
| 1991 SEP | : IAW | IAW | • | | | |
| 1991 OCT | ! AW | !AU | | | • • • | |
| 1991 NOV | 100.000 | <t 100.000="" <t<="" td=""><td></td><td></td><td>¥2 2 • • II •</td><td>n 2 ⁸ ≈ 9</td></t> | | | ¥2 2 • • II • | n 2 ⁸ ≈ 9 |
| 1992 JAN | 120.000 | <t 100.000="" <t<="" td=""><td></td><td>7</td><td></td><td></td></t> | | 7 | | |
| 1992 APR | 130.000 | | • | | o _i s x | |
| 1992 OCT | 130.000 | <t 120.000="" <t<="" td=""><td></td><td></td><td></td><td></td></t> | | | | |
| ATRATONE (NG/L |) | | DET'N LIMIT = | 50.0 | GUIDELINE = N/A | SI II |
| 17 SAMPLES | BDL | BDL | | | | |
| CYANAZINE (BLAD | EX) (NG/L |) | DET'N LIMIT = | 100.0 | GUIDELINE = 10000 (AZ | D |
| 17 SAMPLES | BDL | BDL | | | | |

| | RAW | TREATED | ALDERSHOT AVE FREE FLOW | ALDERSHOT AVE PEDI STANDING FRE | EN BLVD E FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|--|---------------|---------|----------------------------|------------------------------------|-------------------|--|
| | PESTICIDES AN | | Œ! | 00 | | |
| DESETHYL ATRAZI | NE (NG/L) | a h | DET'N LIMIT = 200. | .0 GUIDELIN | E = 60000 (A2 |) |
| 17 SAMPLES | BDL | BDL | | | | • |
| DESETHYL SIMAZI | NE (NG/L) | | | .0 GUIDELIN | |) |
| 17 SAMPLES | BDL | BDL | // () | | | |
| PROMETONE (NG/L | .) | | DET'N LIMIT = 50.0 | 000 GUIDELIN | = 52500 (D3 |) |
| | BDL | | © ((•) | 9 ti | 9 | • |
| |) | | DET'N LIMIT = 50.0 | 000 GUIDELIN | E = 700000 (D | 3) |
| 17 SAMPLES | BDL | BDL | | Fig. | | • |
| PROMETRYNE (NG/ | 'L) | | DET'N LIMIT = 50.0 | 000 GUIDELIN | E = 1000 (A2) | |
| 17 SAMPLES | BDL | BDL | * | | | • |
| METRIBUZIN (SEN | COR) (NG/L) | | DET'N LIMIT = 100. | .0 GUIDELIN | E = 80000 (A1 |) : |
| 17 SAMPLES | BDL | BDL | ¥ (•) | • | • 1 | • |
| SIMAZINE (NG/L |) | * * | DET'N LIMIT = 50.0 | 00 GUIDELIN | = 10000 (A2 |) |
| 17 SAMPLES | BDL | BDL | | w , : | | • |
| 50 S. (1947) (1945) (1945) (1947) (1947) (1947) (1947) |) (NG/L) | | DET'N LIMIT = 500. | .O GUIDELIN | = 5000 (A2) | |
| 17 SAMPLES | BDL | BDL | | | | · Tar |
| METOLACHLOR (NG | /L) | | | O GUIDELIN | = 50000 (A2 |) |
| 17 SAMPLES | BDL | BDL | • | • | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | | TREATMENT RAW | PLANT | TREAT | MENT P ED | LANT | DIST. SYSTEM ALDERSHOT AN FREE FLOW | | DIST. SYST ALDERSHOT STANDING | | DIST. SYSTEM PEDEN BLVD FREE FLOW | KENTEN | . SYSTEM N BLVD DING |
|----------|--------|------------------|---------|-------|--------------|--|---|--|-------------------------------------|----|---|--------|----------------------------|
| | | PESTICI | DES AND | PCB | | , | | | | | 8 a s | | |
| HEXACLCY | CLOPEN | TADIEN (NG/ | L : |) | | | DET'N LIMIT | 5.0 | 0 | GU | IDELINE = 206000 | (D4) | |
| 1991 | JAN | BD | L | | BDL | | BDL | | | | BDL | | |
| 1991 | FEB | BD | L | | 20.000 | T> 1 | | | | | !LA | | 8.0 |
| 1991 | MAR | BD | L | | BDL | | BDL | | | | BDL | | 1. . |
| 1991 | APR | BD | L | | 32.000 | (T) | BDL | | | Ž. | A (*) | | (*) |
| 1991 | MAY | BD | L | | 9.000 | (T | 25.000 | <1 | | | - BDL | 1 | 180 |
| 1991 | JUN | BD | L | | BDL | | BDL | | | • | BDL | | |
| 1991 | JUL | ! A | W | | ! AW | 1 | ! AW | | | | | | |
| 1991 | AUG | . !A | W | | ! AW | 1 | 100 | | | | . ! AW | | |
| 1991 | SEP | ! A | W | | ! AW | 1 | !AW | |)) | | ! AW | | |
| 1991 | OCT | BD | L | | 16.000 | (1) | 15.000 | <t< td=""><td></td><td></td><td>BDL</td><td></td><td>((●)</td></t<> | | | BDL | | ((●) |
| 1991 | NOV | BD | L | MI S | 20.000 | (T | 5.000 | <t -<="" td=""><td></td><td>*</td><td>BDL</td><td></td><td>7.00</td></t> | | * | BDL | | 7.00 |
| 1992 | JAN | BD | L | | 22.000 |) <t< td=""><td>34.000</td><td><1</td><td></td><td></td><td></td><td></td><td>100</td></t<> | 34.000 | <1 | | | | | 100 |
| 1992 | APR | ! C | U - | | ! QU | J | !QU | | | ¥ | 7. | | allo 🚡 i |
| 1992 | OCT | ! 0 | U | | ! QU | J | ! QU | | | | | | • |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | | TREATMENT POR | LANT | TREATMENT PLAN | AL | | SYSTEM SHOT AT FLOW | | DIST. ALDER STAND | SHOT | 74 m (1) (1) | DIST. S PEDEN B FREE FL | LVD | DIST. PEDEN STAND | | |
|-----------|-------|---------------|---|---|----|------|---------------------------|-----|-------------------------|------|--------------|-------------------------------|-----|-------------------------|-------|--|
| | | PHENOLIC | s | | | | | ••• | | •••• | | | | | | |
| PHENOLICS | (UG/I | . , | | | DE | 'N L | LIMIT | ١. | 0.2 | | GUI | DELINE = | N/A | | | |
| 1991 J | AN | .600 | < T | BDL | | | | | * | | | | 2 | | 2 | |
| 1991 F | 59755 | BDL | 2.5 | BDL | | | | | | | | | | | | |
| 1991 M | | 1.000 | | .600 <t< td=""><td></td><td></td><td></td><td></td><td>a ** 3</td><td></td><td>100</td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | a ** 3 | | 100 | | | | | |
| 1991 A | | BDL | | BDL | | | | | | | U | | | | | |
| 1991 M | | .600 | <t< td=""><td>.800 <t< td=""><td></td><td></td><td></td><td></td><td>3: 00h</td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td></t<></td></t<> | .800 <t< td=""><td></td><td></td><td></td><td></td><td>3: 00h</td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td></t<> | | | | | 3: 00h | | | | • | | | |
| 1991 J | | .600 | < T | .600 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | • | | | | | |
| 1991 J | UL | BDL | | BDL | | | | | | | | * 10 | | | | |
| 1991 A | UG | BDL | | .600 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | • | | | | | |
| 1991 S | EP | 1.000 | | .800 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | • | | | | | |
| 1991 0 | CT | BDL | | BDL | | | | | | • | (*) | | | | 10. · | |
| 1991 N | OV | .600 | <t< td=""><td>.800 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>101</td><td>. =</td><td></td><td></td><td></td><td></td></t<></td></t<> | .800 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>101</td><td>. =</td><td></td><td></td><td></td><td></td></t<> | | | | | | | 101 | . = | | | | |
| 1992 J | AN | BDL | | BDL | | | | | | | | | | | ě | |
| 1992 A | PR | .800 | <t< td=""><td>.400 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td></t<></td></t<> | .400 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | • | | | | | |
| 1992 J | UL | BDL | | BDL | | | | | | | | | | | | |
| 1992 0 | CT | BDL | | BDL | | | | | | | • | | | • | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | REATMENT PLANT | TREATMENT PLANT TREATED | | DIST. SYSTEM DIST. SYST ALDERSHOT AVE PEDEN BLVE STANDING FREE FLOW | PEDEN BLVD |
|------------------|----------------|----------------------------|----------------------|---|------------|
| | POLYAROMATIC | HYDROCARBONS | DET IN 1 1947 - 40 (| GUIDELINE = N// | |
| HENANTHRENE (NG | /L) | e e | | | |
| 21 SAMPLES | BDL | BDL | BDL | . BC |)L . |
| NTHRACENE (NG/L |) | | DET'N LIMIT = 1.0 | GUIDELINE = N// | • |
| 21 SAMPLES | BDL | BDL | BDL | . во | DL . |
| LUORANTHENE (NG | /L) | | DET'N LIMIT = 20.0 | GUIDELINE = 420 | 000 (D4) |
| 21 SAMPLES | BDL | BDL | BDL | . во |)L . |
| YRENE (NG/L |) | | DET'N LIMIT = 20.0 | GUIDELINE = N/ | \ |
| 21 SAMPLES | BDL | BDL | BDL | . в | DL . |
| BENZO(A)ANTHRACE | NE (NG/L) | | DET'N LIMIT = 20.0 | GUIDELINE = N/ | \ |
| 21 SAMPLES | BDL | BDL | BDL | . В | oL . |
| CHRYSENE (NG/L |) | | DET'N LIMIT = 50. | GUIDELINE = N/ | . |
| 21 SAMPLES | BDL | BDL | BDL | . В | DL . |
| DIMETH. BENZ(A)A | NTHR (NG/L |) | DET'N LIMIT = 5.0 | GUIDELINE = N/ | A |
| 21 SAMPLES | BDL | BDL | BDL | | DL . |
| BENZO(E) PYRENE | (NG/L) | | DET'N LIMIT = 50. | GUIDELINE = N/ | A |
| 21 SAMPLES | BDL | BDL | BOL | . В | DL . |
| BENZO(B) FLUORAI | THEN (NG/L |) | DET'N LIMIT = 10. | 0 GUIDELINE = N/ | A |
| 21 SAMPLES | | BDL | BDL | | DL . |
| PERYLENE (NG/L |) | | DET'N LIMIT = 10. | O GUIDELINE = N/ | A |
| 21 SAMPLES | | BDL | BDL | . В | DL . |
| BENZO(K) FLUORAI | |) | DET'N LIMIT = 1.0 | GUIDELINE = N/ | A |
| 21 SAMPLES | | | BDL | . 8 | DL . |
| BENZO(A) PYRENE | | | DET'N LIMIT = 5.0 | | (A1) |
| 21 SAMPLES | | BDL | BDL | | DL . |

| | TREATMENT PLA | ANT TREATMENT PLAN TREATED | T DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING DIST. SYSTEM PEDEN BLVD FREE FLOW | |
|----------------|---------------|----------------------------|--|---|-------|
| | POLYAROMAT | TIC HYDROCARBONS | n * n | 4 4 | |
| BENZO(G,H,I) P | ERYLEN (NG/L |) | DET'N LIMIT = 20. | O GUIDELINE = N/A | 4 |
| 21 SAMPLES | BDL | BDL | BOL | . BDL | |
| DIBENZO(A,H) A | NTHRAC (NG/L |) | DET'N LIMIT = 10. | O GUIDELINE = N/A | |
| 21 SAMPLES | BDL | BDL | BDL | . BDL | |
| INDENO(1,2,3-C | ,D) PY (NG/L |) | DET'N LIMIT = 20. | 0 GUIDELINE = N/A | |
| 21 SAMPLES | BDL | BDL | BDL | . BDL | * * . |
| BENZO(B) CHRYS | ENE (NG/L |): | DET'N LIMIT = 2.0 | GUIDELINE = N/A | 9 (6) |
| 21 SAMPLES | BDL | BDL | BDL | . BDL | |
| CORONENE (NG/L |) | W st | DET'N LIMIT = 10. | O GUIDELINE = N/A | |
| 21 SAMPLES | BDL | BDL | BOL | . BDL | , II |

| *. | TREATMENT PLANT | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | ALDERSHOT AVE PEDE | N BLVD F | IST. SYSTEM PEDEN BLVD STANDING |
|----------------|-----------------|----------------------------|--|--------------------|----------------|---------------------------------------|
| TOXAPHENE (NG/ | SPECIFIC PES | TICIDES | DET'N LIMIT = 500 | .0 GUIDELINE | = 5000 (A1) | |
| 10 SAMPLES | BDL | BDL | BDL | • | BDL | • |
| 2,4,5-T (NG/L |) | 2 | DET'N LIMIT = 50. | O GUIDELINE | = 280000 (A1) |) |
| 2 SAMPLES | BDL | BDL | | | | • |
| 2,4-D (NG/L |) | | DET'N LIMIT = 100 | .0 GUIDELINE | = 100000 (A1) | |
| 2 SAMPLES | BDL | BDL | ` | ÷ | | |
| 2,4-DB (NG/L |) | | DET'N LIMIT = 200 | .0 GUIDELINE | = N/A | |
| 2 SAMPLES | BDL | BDL | | - * | • | • |
| 2,4 D PROPIONI | C ACID (NG/L |) | DET'N LIMIT = 100 | .0 GUIDELINE | = N/A | 31 |
| 2 SAMPLES | BDL | BDL | • | | • | |
| DICAMBA (NG/L |) | | DET'N LIMIT = 50. | O GUIDELINE | = 120000 (A1 |) |
| 2 SAMPLES | BDL | BDL | · · · · · · · · · · · · · · · · · · · | | | |
| 2,4,5-TP (SILV | /EX) (NG/L) | : | DET'N LIMIT = 20 | 00 GUIDELINE | = 10000 (A1) | |
| 2 SAMPLES | BDL | BDL | · | _ · · · • · · | • | • |
| CARBOFURAN (NG | i/L) | | DET'N LIMIT = 200 | 00.0 GUIDELINE | E = 90000 (A1) | |
| 2 SAMPLES | BDL | BDL | | | • | |
| CHLORPROPHAM (| (CIPC) (NG/L |) | DET'N LIMIT = 200 | 00.0 GUIDELINE | E = 350000 (G) | , |
| 2 SAMPLES | BDL | BDL | • | • | • | • |
| DIALLATE (NG/L | .) | | DET'N LIMIT = 200 | 00.0 GUIDELINI | E = N/A | |
| 2 SAMPLES | BDL | BDL | | | | / # |
| EPTAM (NG/L |) | | DET'N LIMIT = 20 | 00.0 GUIDELIN | E = N/A | |
| 2 SAMPLES | BDL | BDL | | • | • | |
| IPC (NG/L |) | | DET'N LIMIT = 20 | 00.0 GUIDELIN | E = N/A | |
| 2 SAMPLES | BDL | BDL | * | · • | 76 | |

| 8 80 | TREATMENT PI | LANT TREATMENT PLANT TREATED | ALDERSHOT AVE | IST. SYSTEM ALDERSHOT AVE STANDING | DIST. SYSTEM PEDEN BLVD FREE FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|----------------|--------------|---------------------------------|---------------------|--|---|----------------------------------|
| | SPECIFIC | PESTICIDES | | | | |
| PROPOXUR (NG/L |) | | DET'N LIMIT = 2000. | .0 GU1 | DELINE = 140000 (| D3) |
| 2 SAMPLES | BDL | BDL | | | | * . |
| CARBARYL (NG/L |) | Q 6 12 | DET'N LIMIT = 200.0 | GU1 | DELINE = 90000 (A | .1) |
| 2 SAMPLES | BDL | BDL | • | | • | |
| BUTYLATE (NG/L |) | * a | DET'N LIMIT = 2000. | .0 GU | DELINE = 245000 (| D3) |
| 2 SAMPLES | BDL | BDL | E (• | 4 | • , | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | | TREATMENT PLANT | TREATMENT PLAN | ALDERSHOT AVE FREE FLOW | | | SYSTEM I BLVD FLOW | PEDEN STANDI | |
|---------|-----------------|---|----------------|----------------------------|--|-----------|---|-----------------|----------------|
| | | VOLATILES | | | | | | , V | |
| BENZENE | (UG/L |) | | DET'N LIMIT = | 0.05 | GUIDELINE | = 5 (A1) | | |
| 1991 | MAL | BDL | BDL | BDL | | | BDL | | |
| 1991 | | BDL | BDL | | | • | BDL | | = % |
| 1991 | - 1 Cont Cont | BDL | BDL | BDL | (40) | • | BDL | | • |
| 1991 | | BDL | BDL | BDL | | | | | |
| 1991 | | BDL | .050 <1 | BOL | | | BOL | | |
| 1991 | | BDL | BDL | BDL | = 4 | | BOL | | |
| 1991 | | BDL | BDL | BDL | | | maren iii) | | |
| 1991 | | BDL | BDL | | | | BDL | | |
| 1991 | | BDL | BDL | BDL | | • | BDL | | |
| 1991 | | BDL | BDL | BDL | | * | BDL | | • |
| 1991 | | BDL | BOL | BDL | | | BOL | | •7 |
| 1992 | 579,500,000 | BDL | BDL | BDL | | 72 | | | |
| 1992 | | BDL | BDL | BDL | | © (* | • | | • 32 |
| 1992 | | BDL | BDL | BDL | | G. | | | |
| 1992 | | BOL | BDL | BDL | | | • | | |
| TOLUENE | (UG/L |) | | DET'N LIMIT = | 0.05 | GUIDELINE | = 24 (A3) | | |
| 1991 | JAN | BDL | BDL | BDL | | | .050 <t< td=""><td></td><td></td></t<> | | |
| 1991 | | BDL | BDL | William St. | | • | .150 <t< td=""><td></td><td></td></t<> | | |
| 1991 | | BDL | BDL | BDL | | • | .100 <t< td=""><td></td><td>•</td></t<> | | • |
| 1991 | | BDL | BDL | BDL | a | 2 | • | | A 20 |
| 1991 | | BDL | .150 < | .150 | <t< td=""><td>. 507</td><td>BOL</td><td>1)</td><td>•</td></t<> | . 507 | BOL | 1) | • |
| 1991 | | BDL | BDL | .100 | <t< td=""><td>•</td><td>BDL</td><td>190</td><td></td></t<> | • | BDL | 190 | |
| 1991 | | BDL | BDL | .050 | <1 | | | | |
| 1991 | | BDL | BDL | 17.05.0 | | | BDL | | 0 (⊕) |
| 1991 | | BDL | BDL | .050 | <1 | | BDL | | W - € |
| 1991 | | BDL | BDL | .050 | | | .100 <t< td=""><td></td><td></td></t<> | | |
| 1991 | | .050 <t< td=""><td>.100 <</td><td></td><td></td><td>• "</td><td>.150 <t< td=""><td></td><td></td></t<></td></t<> | .100 < | | | • " | .150 <t< td=""><td></td><td></td></t<> | | |
| 1992 | 0.00 | BDL | BDL | BDL | 10000 | • | and a second | | |
| 1992 | | .050 <t< td=""><td>BDL</td><td>.100</td><td><1</td><td>•</td><td>##***</td><td></td><td></td></t<> | BDL | .100 | <1 | • | ##*** | | |
| 1992 | | BDL | .050 < | | | | | | |
| 1776 | OCT | BDL | BDL | BDL | | | - | | - |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | | TREATM | IENT P | LANT | | ATME | | LANT | DIST. ST ALDERSHO FREE FLO | OT AV | Æ | DIST. ALDERS STAND | SHOT ! | | PEDE | . SYSTE N BLVD FLOW | | DIST. PEDEN STAND | Access Access | . 74 |
|----------------|-------|--------|--------|-----------------------|----|------|---|---|----------------------------------|--------------|---|--------------------------|------------|---------------|-------|---------------------------|---------------|-------------------------|--------------------|------|
| ••••• | | VOL | ATILE | s | | | | | | | | | | | | | | | | |
| ETHYLBENZ | ENE | (UG/L |) | | | | | | DET'N LI | 41T = | 0.05 | | A) Land | GUII | ELINE | = 2.4 | (A3) | | | |
| 1991 J | AN | | BDL | | | | .050 | <t< td=""><td></td><td>BDL</td><td></td><td>8</td><td></td><td></td><td></td><td>.100</td><td> < </td><td></td><td></td><td></td></t<> | | BDL | | 8 | | | | .100 | < | | | |
| 1991 F | EB | | .050 | <t< b=""></t<> | | | .200 | | | , = 5.00 | | | | 3/: II | | .150 | | | | |
| 1991 M | IAR | | BDL | 84 B | | | .050 | | | BDL | | - 5 | | | | .050 | | | | |
| 1991 A | | | BDL | | | | .100 | | | . 150 | <t< td=""><td></td><td></td><td>-</td><td></td><td>11 17</td><td></td><td></td><td>24 A.D.</td><td></td></t<> | | | - | | 11 17 | | | 24 A.D. | |
| 1991 M | | | BDL | | | 2 | .200 | | | .250 | | | | 3 | | BDL | | | 30 -1 3 | |
| 1991 J | | | BDL | | | | .100 | | | .050 | 1.00 | | | | | BDL | | | 2.0 | |
| 1991 J | | X | BDL | | | | .200 | | | .100 | | | | •: | | 500 | | | *i | |
| 1991 A | - | | BDL | | | | .250 | | , | | | | pri i | • | | BDL | | | | |
| 1991 S | | | BDL | | | | .050 | | | . 100 | | | | . | | BDL | | | ().e. | |
| 1991 0 | | | BDL | | | | BDL | | | .100 | | | 9 | Mis. | | BDL | | | | |
| 1991 N | | | .100 | | | | .250 | | | . 150 | | | | • | | .150 | | | | |
| 1992 J | | | .100 | | | | .150 | | | .100 | | | * | • | | . 150 | · ~1 | | - e :• | |
| 1992 A | | | | | | | | | | .200 | | | 39 | •0 0 | | • | | | : : : | |
| | | | .100 | | | | .100 | | | | | | | •0 5 | 11 | • | | | 57.00 | |
| 1992 J | | | BOL | | | | .150 | | | .100 | <1 | | 1 | • | | • | | | • | |
| 1992 0 | | | BDL | | | | BDL | | | BDL | | | | | | | | | | |
| P-XYLENE | (UG/I | L) | | | | | | | DET'N LI | 1IT = | 0.10 | | 200 | GUI | ELINE | = 300 | (A3*) |) a 11 | | |
| 1991 J | AN | | BDL | | | | BDL | | | BDL | 62 | | 0 8 | | | BDL | | | | |
| 1991 F | EB | | BDL | | | | BDL | | | | | | 197 | | | BDL | | | | |
| 1991 M | AR | | BDL | | | | BDL | | | BDL | | | | | | BDL | VII 72 | | | |
| 1991 A | PR | | BDL | | | | BDL | 1993 | | BDL | | | | _ | | | 125 | | 1040 | |
| 1991 M | | | BDL | | | | BDL | | | BDL | | | 10 | | | BDL | | | - 2 | |
| 1991 J | | | BDL | | | | BDL | | | BDL | | | = 3 | 20 20 - 11 | | BDL | | 70 | 11.50 | |
| 1991 J | | | BDL | | | | BDL | | | BDL | | | | EX | | 10.00 | | | | 20.0 |
| 1991 A | | | BDL | | | | BDL | | | | | | | | | BDL | | | 18 | |
| 1991 S | | | BOL | | | | .800 | | | BDL | | | | - 11 | | BDL | | | 2. * | |
| 1991 0 | | | BOL | | 15 | | BDL | | | BDL | | | | •// | | BDL | | | 9/€2 | |
| 1991 N | | | BOL | | | | BDL | | | BDL | | |) | . 00 | | BDL | | | • | |
| 1992 J | | | BOL | | | | BDL | | | BDL | | | 8 | • 22 | | 50 L | | | | -81 |
| 1992 J | | | BOL | | | | BDL | | 64 | BDL | | | , | • | | (4) | | | • | |
| 13/5/15/55 201 | | | | | | | 100000000000000000000000000000000000000 | | | | | | | • | | | | | • | |
| 1992 J | | | BOL | 9 | | | BDL | | | BDL | | | | • | | | | | • | |
| 1992 0 | C I | | BDL | | | | BDL | | | BDL | | | 3 | • | | | | | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| 3 | TREATMENT PLANT | TREATMENT PLANT TREATED | | DIST. SYSTEM ALDERSHOT AVE STANDING | DIST. SYSTEM PEDEN BLVD FREE FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|----------------------|-----------------|---|--|--|--|--|
| 2 | VOLATILES | | | | | a |
| M-XYLENE (UG/L |) | | DET'N LIMIT = 0.10 | O GU | IDELINE = 300 (A3*) | |
| 1991 JAN | BDL | BDL | BDL | S#II | BDL | · . |
| 1991 FEB | BDL | BDL | 79 | | .200 <t< td=""><td></td></t<> | |
| 1991 MAR | BDL | BDL | BDL | | BDL | |
| 1991 APR | BDL | BDL | BDL | | 320 | |
| 1991 MAY | BDL | .200 <t< td=""><td>.200 <t< td=""><td></td><td>BDL</td><td></td></t<></td></t<> | .200 <t< td=""><td></td><td>BDL</td><td></td></t<> | | BDL | |
| 1991 JUN | BDL | BDL | .100 <t< td=""><td>· · · · · · · · · · · · · · · · · · ·</td><td>BDL</td><td>_</td></t<> | · · · · · · · · · · · · · · · · · · · | BDL | _ |
| 1991 JUL | BDL | BDL | BDL | 941 | | |
| 1991 AUG | BDL | BDL | | 920 | BDL | 20 |
| 1991 SEP | BDL | BDL | .100 <t< td=""><td>•/ <u>\$</u></td><td>BDL</td><td>2,</td></t<> | •/ <u>\$</u> | BDL | 2, |
| 1991 OCT | BDL | BDL | .100 <t< td=""><td>130</td><td>BDL</td><td>v</td></t<> | 130 | BDL | v |
| 1991 NOV | BDL | BDL | .200 <t< td=""><td>5. The state of th</td><td>BDL</td><td>#./ 11 E</td></t<> | 5. The state of th | BDL | #./ 11 E |
| 1992 JAN | BDL | BDL | BDL | 1.5.1 | | |
| 1992 APR | BDL | BOL | BDL | 1. 1 1 | v | |
| 1992 JUL | BDL | BDL | BDL | () | 3 | |
| 1992 OCT | BOL | BDL | BDL | | ÷ | |
| O-XYLENE (UG/L |) | · · · · · · · · · · · · · · · · · · · | DET'N LIMIT = 0.0 | 5 GU | IDELINE = 300 (A3*) | |
| 1991 JAN | BDL | BDL | BDL | | BDL | |
| 1991 FEB | BDL | BDL | , | 1811 | .050 <t< td=""><td>· · · · · · · · · · · · · · · · · · ·</td></t<> | · · · · · · · · · · · · · · · · · · · |
| 1991 MAR | . BDL | BDL | BDL | | BDL | |
| 1991 APR | BDL | BDL | BDL | | | |
| 1991 MAY | BDL | .050 <t< td=""><td>.100 <t< td=""><td>20</td><td>BDL</td><td></td></t<></td></t<> | .100 <t< td=""><td>20</td><td>BDL</td><td></td></t<> | 20 | BDL | |
| 1991 JUN | BDL | BDL | .050 <t< td=""><td></td><td>BDL</td><td>18 E 12 E</td></t<> | | BDL | 18 E 12 E |
| 1991 JUL | BDL | BDL · | BDL | (a) (a) | | ₩.W. 9250 |
| 1991 AUG | BDL | BOL | | | BDL. | |
| 1991 SEP | BDL | BDL | .100 <t< td=""><td>:..</td><td>BDL</td><td></td></t<> | : . . | BDL | |
| 1991 OCT | BDL | BOL | .100 <t< td=""><td>1.6</td><td>BDL</td><td>•</td></t<> | 1.6 | BDL | • |
| 1991 NOV | BDL | BDL | .100 <t< td=""><td></td><td>BDL</td><td></td></t<> | | BDL | |
| 1991 NOV | BDL | BOL | BDL | | BUL | • |
| 1992 JAN 1992 APR | BDL | BOL | BDL | | 9 | • |
| 1992 APK | BDL | BDL | BDL | | • | |
| | BDL | BDL | BDL | | | |
| 1992 OCT | BUL . | BUL | BUL | | y. | • |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| e La la | TREATMENT RAW | PLANT | TREATMEN TREATED | T PLAN1 | | SYSTEM SHOT AVE FLOW | DIST. SYS ALDERSHOT STANDING | AVE PEDE | . SYSTEM IN BLVD FLOW | DIST. SYS PEDEN BLV STANDING | |
|--|---|--|---------------------|--|----------|---|------------------------------------|----------------|--|------------------------------------|-----|
| | VOLATII | LES | | | | _ | | | | | |
| STYRENE (UG/L |) | | | | DET'N | LIMIT = 0. | .05 | GUIDELINE | = 100 (D1) | | |
| 1991 JAN | R | DL. | | BDL | | BDL | | | BDL | | |
| 1991 FEB | | 50 <t< td=""><td></td><td>300 <t< td=""><td></td><td></td><td></td><td>•</td><td>.300 <t< td=""><td></td><td></td></t<></td></t<></td></t<> | | 300 <t< td=""><td></td><td></td><td></td><td>•</td><td>.300 <t< td=""><td></td><td></td></t<></td></t<> | | | | • | .300 <t< td=""><td></td><td></td></t<> | | |
| 1991 MAR | 7357 | 00 <t< td=""><td></td><td>150 <t< td=""><td></td><td>.150 <t< td=""><td></td><td>•</td><td>.100 <t< td=""><td></td><td>•</td></t<></td></t<></td></t<></td></t<> | | 150 <t< td=""><td></td><td>.150 <t< td=""><td></td><td>•</td><td>.100 <t< td=""><td></td><td>•</td></t<></td></t<></td></t<> | | .150 <t< td=""><td></td><td>•</td><td>.100 <t< td=""><td></td><td>•</td></t<></td></t<> | | • | .100 <t< td=""><td></td><td>•</td></t<> | | • |
| 1991 APR | | DL . | | 100 <t< td=""><td></td><td>.250 <t< td=""><td></td><td></td><td>.100 (1</td><td></td><td>•</td></t<></td></t<> | | .250 <t< td=""><td></td><td></td><td>.100 (1</td><td></td><td>•</td></t<> | | | .100 (1 | | • |
| 1991 MAY | | DL . | | 100 <t< td=""><td></td><td>.300 <t< td=""><td></td><td></td><td>BDL</td><td></td><td></td></t<></td></t<> | | .300 <t< td=""><td></td><td></td><td>BDL</td><td></td><td></td></t<> | | | BDL | | |
| 1991 JUN | | DL | | 100 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>•</td><td>BDL</td><td></td><td></td></t<></td></t<> | | .100 <t< td=""><td></td><td>•</td><td>BDL</td><td></td><td></td></t<> | | • | BDL | | |
| | 0.000 | DL - | | | | | | | BUL | | |
| 1991 JUL | | 20,000 | | 100 <t< td=""><td></td><td>.050 <t< td=""><td></td><td>•</td><td>:</td><td></td><td>•</td></t<></td></t<> | | .050 <t< td=""><td></td><td>•</td><td>:</td><td></td><td>•</td></t<> | | • | : | | • |
| 1991 AUG | | DL | | 250 <t< td=""><td></td><td>700 -</td><td></td><td>B●C</td><td>BDL</td><td>- 4</td><td>• 8</td></t<> | | 700 - | | B ● C | BDL | - 4 | • 8 |
| 1991 SEP | - | DL | | 100 <t< td=""><td></td><td>.300 <t< td=""><td></td><td>•</td><td>BDL</td><td></td><td>•</td></t<></td></t<> | | .300 <t< td=""><td></td><td>•</td><td>BDL</td><td></td><td>•</td></t<> | | • | BDL | | • |
| 1991 OCT | | DL _ | | BDL | | .150 <t< td=""><td></td><td>y≥2 0</td><td>BDL</td><td>e e e</td><td></td></t<> | | y ≥ 2 0 | BDL | e e e | |
| 1991 NOV | | 50 <t< td=""><td></td><td>150 <t< td=""><td>:</td><td>.600</td><td></td><td>•</td><td>.300 <t< td=""><td></td><td>•</td></t<></td></t<></td></t<> | | 150 <t< td=""><td>:</td><td>.600</td><td></td><td>•</td><td>.300 <t< td=""><td></td><td>•</td></t<></td></t<> | : | .600 | | • | .300 <t< td=""><td></td><td>•</td></t<> | | • |
| 1992 JAN | | 50 <t< td=""><td></td><td>200 <t< td=""><td>2</td><td>.300 <t< td=""><td></td><td>•</td><td>) •</td><td></td><td></td></t<></td></t<></td></t<> | | 200 <t< td=""><td>2</td><td>.300 <t< td=""><td></td><td>•</td><td>) •</td><td></td><td></td></t<></td></t<> | 2 | .300 <t< td=""><td></td><td>•</td><td>) •</td><td></td><td></td></t<> | | • |) • | | |
| 1992 APR | .25 | 50 <t< td=""><td></td><td>200 <t< td=""><td>1</td><td>.300 <t< td=""><td></td><td>•</td><td></td><td></td><td>•</td></t<></td></t<></td></t<> | | 200 <t< td=""><td>1</td><td>.300 <t< td=""><td></td><td>•</td><td></td><td></td><td>•</td></t<></td></t<> | 1 | .300 <t< td=""><td></td><td>•</td><td></td><td></td><td>•</td></t<> | | • | | | • |
| 1992 JUL | · B0 |)L | | 150 <t< td=""><td></td><td>.150 <t< td=""><td></td><td></td><td></td><td>35</td><td></td></t<></td></t<> | | .150 <t< td=""><td></td><td></td><td></td><td>35</td><td></td></t<> | | | | 35 | |
| 1992 OCT | BC | DL | | BDL | | BDL | 2.05 | (#K | 91 . | | • |
| ,1-DICHLOROET | HYLENE (UG | /L |) | ••••• | DET'N | LIMIT = 0. | .100 | GUIDELINE | = 7 (D1) | | |
| 52 SAMPLES | В |)L | | BDL | | BDL | | | BDL | | |
| ETHYLENE CHLO | RIDE (UG/L |) | | , | DET'N | LIMIT = 0 | .50 | GUIDELINE | = 50 (A1) | | |
| 1991 JAN | R | DL . | | BDL | | BDL | | | BDL | | |
| 1991 FEB | 5707 | DL . | | BDL | | 502 | | | BDL | | • |
| 1991 MAR | | DL | | BDL | | BDL | |) • / | BDL | | • |
| 1991 APR | | | | BDL | | | | • | BUL | | • 2 |
| 1991 MAY | BC | | | 777070 | | BDL BDL | 8 | • | : | | * 1 |
| IYYI MAT | | DL | | BDL | | | | | | | • |
| | H | DL | | | | 100000000000000000000000000000000000000 | | | BDL | | |
| 1991 JUN | | | | BDL | | BDL | | • | BDL BDL | | |
| 1991 JUN 1991 JUL | BC | DL . | | BDL | | 100000000000000000000000000000000000000 | | • | BDL . | | * |
| 1991 JUN 1991 JUL 1991 AUG | BC | DL . | | BDL . | | BDL BDL | | | BDL BDL | | |
| 1991 JUN 1991 JUL 1991 AUG 1991 SEP | BC BC BC | DL DL | | BDL BDL BDL | | BDL BDL BDL | | • | BDL BDL .500 <t< td=""><td></td><td>:</td></t<> | | : |
| 1991 JUN 1991 JUL 1991 AUG | BC BC BC | DL . | | BDL . | | BDL BDL | | | BDL BDL | | |
| 1991 JUN 1991 JUL 1991 AUG 1991 SEP | BC BC BC | DL DL | | BDL BDL BDL | 3 | BDL BDL BDL | | | BDL BDL .500 <t< td=""><td></td><td>•</td></t<> | | • |
| 1991 JUN 1991 JUL 1991 AUG 1991 SEP 1991 OCT | BC BC BC BC | DL DL DL | | BDL BDL BDL BDL | | BDL BDL BDL | | | BDL BDL .500 <t .500 <t< td=""><td></td><td></td></t<></t | | |
| 1991 JUN 1991 JUL 1991 AUG 1991 SEP 1991 OCT 1991 NOV | BC BC BC BC BC BC | DL DL DL DL | | BDL BDL BDL BDL BDL | 1 9 | BDL BDL BDL BDL BDL | | | BDL BDL .500 <t .500 <t< td=""><td></td><td></td></t<></t | | |
| 1991 JUN 1991 JUL 1991 AUG 1991 SEP 1991 OCT 1991 NOV 1992 JAN | BC BC BC BC BC BC BC BC BC | DL DL DL DL DL | 21 | BDL BDL BDL BDL BDL BDL | *, | BDL BDL BDL BDL BDL BDL | 2 | | BDL BDL .500 <t .500 <t< td=""><td></td><td></td></t<></t | | |
| 1991 JUN 1991 JUL 1991 AUG 1991 SEP 1991 OCT 1991 NOV 1992 JAN 1992 APR | 80 80 80 80 80 80 80 80 | DL DL DL DL DL | | BDL BDL BDL BDL BDL BDL BDL | 1 % 2 | BDL BDL BDL BDL BDL BDL BDL | | | BDL BDL .500 <t .500 <t< td=""><td></td><td></td></t<></t | | |
| 1991 JUN 1991 JUL 1991 AUG 1991 SEP 1991 OCT 1991 NOV 1992 JAN 1992 APR 1992 JUL 1992 OCT | 80 80 80 80 80 80 80 80 80 | DL DL DL DL DL DL DL | | BDL BDL BDL BDL BDL BDL BDL BDL BDL | DET'N | BDL BDL BDL BDL BDL BDL BDL BDL | .10 | GUIDELINE | BDL BDL .500 <t .500 <t< td=""><td></td><td></td></t<></t | | |
| 1991 JUN 1991 JUL 1991 AUG 1991 SEP 1991 OCT 1991 NOV 1992 JAN 1992 APR 1992 JUL 1992 OCT | BI BI BI BI BI BI HYLENE (UG) | DL DL DL DL DL DL DL |) | BDL BDL BDL BDL BDL BDL BDL BDL BDL | DET'N | BDL BDL BDL BDL BDL BDL BDL BDL BDL | .10 | GUIDELINE | BDL BDL .500 <t .500 <t BDL</t </t | | |
| 1991 JUN 1991 JUL 1991 AUG 1991 SEP 1991 OCT 1991 NOV 1992 JAN 1992 APR 1992 JUL 1992 OCT | BC BC BC BC BC BC BC HYLENE (UG, | DL DL DL DL DL DL DL |) | BDL BDL BDL BDL BDL BDL BDL BDL BDL | | BDL | | GUIDELINE | BDL | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT PLANT RAW | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | | DIST. SYSTEM PEDEN BLVD STANDING |
|----------------|------------------------|----------------------------|--|---|---------------------|--|
| | VOLATILES | | | | | |
| HLOROFORM (UG/ | | | DET'N LIMIT = 0 | .10 G | UIDELINE = 350 (A1+ | |
| 1991 JAN | BDL | 11.600 | 6.100 | | 7.700 | |
| 1991 FEB | BDL | 9.400 | | | 8.400 | |
| 1991 MAR | BDL | 12.300 | 8.200 | - | 10.600 | |
| 1991 APR | BDL | 19.400 | 14.400 | 5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | | 370 |
| 1991 MAY | BDL | 31.800 | 18.800 | | 21.600 | - |
| | BDL | 21.500 | 14.100 | | 19.000 | |
| 1991 JUN | | 20.100 | 13.100 | • | 17.000 | |
| 1991 JUL | BDL a | | 13.100 | • | 14.700 | |
| 1991 AUG | BDL | 28.800 | 9.100 | | 13.300 | * |
| 1991 SEP | BDL | 20.100 | | • | | |
| 1991 OCT | BDL | 19.500 | 7.000 | | 12.500 | |
| 1991 NOV | BDL | 15.500 | 5.900 | | 9.300 | (* |
| 1992 JAN | BDL | 10.600 | 4.700 | | 11.30 | |
| 1992 APR | BDL | 12.300 | 8.500 | | | · · |
| 1992 JUL | BDL | 20.700 | 14.500 | • | • | |
| 1992 OCT | BDL | 12.700 | 8.900 | | • | · |
| 1,TRICHLOROE | THANE (UG/L |) | DET'N LIMIT = 0 | .02 G | UIDELINE = 200 (D1) | |
| 1991 JAN | BDL | BDL | BDL | | BDL | |
| | - KREET | BDL | 000 | | BDL | - |
| 1991 FEB | BDL | | BDL | • | BOL | • |
| 1991 MAR | BDL | BDL | | • | BUL | *1 |
| 1991 APR | BDL | BDL | BOL | • - | | |
| 1991 MAY | BDL | BDL | BDL | | BDL | |
| 1991 JUN | BDL | BDL | BDL | • | BDL | • |
| 1991 JUL | BDL | BDL | BOL | · • | | • |
| 1991 AUG | BDL | BDL | | • | BDL | 07 |
| 1991 SEP | BDL | BDL | BDL | • | BDL | 11.0 |
| 1991 OCT | BDL | BDL | BDL | | BDL | , · |
| 1991 NOV | BDL | BDL | .060 <t< td=""><td>•</td><td>BDL</td><td>•</td></t<> | • | BDL | • |
| 1992 JAN | BDL | BDL | BDĹ | | | |
| 1992 APR | BOL | BDL | BDL | | • | • |
| 1992 JUL | BDL | BDL | BDL | | | |
| 1992 OCT | BDL | BDL | BDL | | · · | . |
| ,2 DICHLOROET | HANE (UG/L) | | DET'N LIMIT = 0 | .05 | GUIDELINE = 5 (A1) | ••••• |
| 52 SAMPLES | BDL | BDL | BDL | • | BDL | • |
| ARBON TETRACH | LORIDE (UG/L |) | DET'N LIMIT = 0 | .20 | GUIDELINE = 5 (A1) | |
| 52 SAMPLES | BDL | BDL | BDL | ē | BDL | A. |
| ,2-DICHLOROPR | OPANE (UG/L |) | DET'N LIMIT = 0 | .05 | GUIDELINE = 5 (D1) | |
| * | | | BOI | | PDI | |
| 52 SAMPLES | BDL | BDL | BDL | • | BDL | • |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | REATMENT PLA | ANT TREATMENT PLAN TREATED | T DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | DIST. SYSTEM PEDEN BLVD FREE FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|--------------------|--------------|-------------------------------|--|---|---|--|
| | VOLATILES | | | • | | |
| TRICHLOROETHYLEN | E (UG/L |) | DET'N LIMIT = 0. | lo GUI | DELINE = 50 (A1) | |
| 52 SAMPLES | BDL | BDL | BDL | | BDL | |
| ICHLOROBROMOMET | HANE (UG/L |) | DET'N LIMIT = 0.0 |)5 GU I | DELINE = 350 (A1 | +) |
| 1991 JAN | BDL | 9.350 | 3,400 | a | 5.700 | n e 2/ |
| 1991 FEB | BDL | 7,600 | 21.00 | | 5,700 | |
| 1991 MAR | BDL | 8.900 | 4.600 | a ja | 6,400 | 1.T.V. |
| 1991 APR | BDL | 10.850 | 6.850 | • | 0.400 | 190 |
| 1991 MAY | BDL | 12.650 | 7.750 | s " II | 9,000 | (i (±)) |
| 1991 JUN | BDL | 12.300 | 7.400 | | 10.300 | (((|
| 1991 JUL | BDL | 12.800 | | • * | 10.300 |) * */ |
| | | | 8.750 | а 🔻 | 0.700 | • |
| 1991 AUG | BDL | 12.750 | . 700 | | 9.700 | • |
| 1991 SEP | BDL | 12.700 | 6.700 | | 9.800 | 8 88 W |
| 1991 OCT | BDL | 12.700 | 5.100 | | 8.700 | • |
| 1991 NOV | BDL | 10.900 | 4.500 | | 7.200 | • |
| 1992 JAN | BDL | 10.300 | 3.850 | • | | • |
| 1992 APR | BDL | 10.700 | 5.200 | · . | 2 ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ | :■(|
| 1992 JUL | BDL | 17.450 | 13.200 | * | | |
| 1992 OCT | BDL | 11.350 | 7.500 | | | |
| 112-TRICHLOROETH | ANE (UG/L | _) · _ · | DET'N LIMIT = 0.0 |)5 GU I | DELINE = 0.6 (D4 |) , |
| 52 SAMPLES | BDL | BDL | BDL | • | BDL | |
| CHLOROD I BROMOMET | HANE (UG/L | > | DET'N LIMIT = 0. | 10 GU1 | DELINE = 350 (A1 | +) |
| 1991 JAN | BDL | 4.000 | 1.900 | | 2.800 | h., |
| 1991 FEB | BDL | 3.600 | . • | | 2.800 | |
| 1991 MAR | BDL | 3.600 | 2.200 | | 2.900 | |
| 1991 APR | BDL | 3.900 | 2.500 | · · | | |
| 1991 MAY | BDL | 4.800 | 3.500 | N | 4.700 | |
| 1991. JUN | BDL | 4.700 | 3.200 | | 3,900 | |
| 1991 JUL | BDL | 6.500 | 4.700 | | | |
| 1991 AUG | BDL | 7.100 | 4.1.00 | | 5.700 | 541.0 |
| 1991 SEP | BDL | 7.400 | 4.600 | | 6.600 | 3 |
| 1991 OCT | BDL | 7.000 | 3.400 | 5), M | 5.200 | |
| 1991 OCT | BDL | 5.500 | 2.800 | • | 4.000 | • |
| | 100000 | 6.300 | | • | 4.000 | |
| 1992 JAN | BDL | | 2.700 | | 7.0 | : ● / (*) |
| 1992 APR | BDL | 5.000 | 2.700 | • | 3/ •: | • |
| 1992 JUL | BDL BDL | 10.000 6.400 | 7.900 4.900 | 20t & \$ | • | • |
| 1992 OCT | | | | | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | RAW | | TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM ALDERSHOT AVE STANDING | DIST. SYSTEM PEDEN BLVD FREE FLOW | DIST. SYSTEM PEDEN BLVD STANDING |
|--------------|--------------|------------|---|--|---|---|---|
| | VOL | ATILES | | | 1 A 1 | | 14 |
| ETRACHLO | ROETHYLENE (| UG/L |) | DET'N LIMIT = 0.0 | 5 GUI | DELINE = 65 (A5) | |
| 1991 | IAN - | BDL | BDL | BDL | | BDL | |
| 1991 | | BDL | BDL | 552 | 10 187 | BDL | |
| 1991 | | BDL | BOL | BDL | | .050 <7 | 723 |
| 1991 | | BDL | BDL | BDL | | .050 | 7. 8 . |
| 1991 | | BDL | .100 <7 | .050 <7 | | BDL | N |
| 1991 | | BDL | BDL | BDL | 100 | BDL | ** |
| 1991 | | BDL | BDL | BDL | | BUL | (<u></u> |
| | | BDL | BDL | BUL | . | BDL | (*: |
| 1991 | | | 1/5/5/7 | 001 | | | 9€ |
| 1991 | | BDL | BDL | BDL | ::: (E) | BDL | {\ € ; |
| 1991 (| | BDL | BDL | BDL | 2907 | BDL | : • · · · · · · · · · · · · · · · · · · |
| 1991 1 | | BDL | BDL | BDL | • | BDL | |
| 1992 | 10,770 | BDL | BDL | BDL | | • | • |
| 1992 | | BDL | BDL | .150 <t< td=""><td>•</td><td>•</td><td>· · · · · · · · · · · ·</td></t<> | • | • | · · · · · · · · · · · · |
| 1992 | | BDL | BDL | BDL | | | 1,5 |
| 1992 (| DCT | BDL | BDL | BDL | • | | ; € |
| 1991 1991 | | BDL BDL | BDL .400 <t< th=""><th>BDL</th><th></th><th>BDL .400 <t< th=""><th>v :</th></t<></th></t<> | BDL | | BDL .400 <t< th=""><th>v :</th></t<> | v : |
| 1991 | | BDL | .400 <t< td=""><td>.200 <t< td=""><td>554 186</td><td>.200 <t< td=""><td></td></t<></td></t<></td></t<> | .200 <t< td=""><td>554 186</td><td>.200 <t< td=""><td></td></t<></td></t<> | 554 186 | .200 <t< td=""><td></td></t<> | |
| 1991 | APR . | BDL | .400 <t< td=""><td>.200 <t< td=""><td></td><td>terremonate and</td><td>** **</td></t<></td></t<> | .200 <t< td=""><td></td><td>terremonate and</td><td>** **</td></t<> | | terremonate and | ** ** |
| 1991 | MAY | BDL | .200 <t< td=""><td>.200 <t< td=""><td>**</td><td>.200 <t< td=""><td><u> </u></td></t<></td></t<></td></t<> | .200 <t< td=""><td>**</td><td>.200 <t< td=""><td><u> </u></td></t<></td></t<> | ** | .200 <t< td=""><td><u> </u></td></t<> | <u> </u> |
| 1991 | | BDL | BDL | BDL | 2.50 | BDL | n - n |
| 1991 | | BDL | .600 <t< td=""><td>.400 <t< td=""><td></td><td>7.12</td><td></td></t<></td></t<> | .400 <t< td=""><td></td><td>7.12</td><td></td></t<> | | 7.12 | |
| 1991 | | BDL | .800 <t< td=""><td></td><td>2 -</td><td>.800 <t< td=""><td></td></t<></td></t<> | | 2 - | .800 <t< td=""><td></td></t<> | |
| 1991 | | BDL | BDL | .400 <t< td=""><td>J</td><td>.800 <t< td=""><td></td></t<></td></t<> | J | .800 <t< td=""><td></td></t<> | |
| 1991 | | BDL | 1.000 <t< td=""><td>.400 <t< td=""><td></td><td>.600 <t< td=""><td></td></t<></td></t<></td></t<> | .400 <t< td=""><td></td><td>.600 <t< td=""><td></td></t<></td></t<> | | .600 <t< td=""><td></td></t<> | |
| 1991 | 7077010 | BDL | .600 <t< td=""><td>BDL</td><td></td><td>BDL</td><td>M</td></t<> | BDL | | BDL | M |
| 1992 | | BDL | BDL | BDL | \$. | | ¥ |
| 1992 | | BDL | BDL | BDL | | | |
| 1992 | | BDL | 1.000 <t< td=""><td>1.000 <t< td=""><td>8.9.16</td><td></td><td>•</td></t<></td></t<> | 1.000 <t< td=""><td>8.9.16</td><td></td><td>•</td></t<> | 8. 9. 16 | | • |
| 1992 | | BDL | BDL | BDL | : | | |
| 1772 | JC1 | BUL | BUL | BUL | | | • |
| 122-TET | CHLOROETHANE | (UG/L |) | DET'N LIMIT = 0.0 | 5 GU1 | DELINE = 0.17 (D4 |) |
| 52 SA | MPLES | BDL | BDL | BDL | | BDL - | · . |
| INYL CH | LORIDE (UG/L |) | | DET'N LIMIT = 0.1 | 00 GU1 | DELINE = 2 (D1) | |
| 9 SAM | PLES | BDL | BDL | BOL | | | |
| 12-DICH | LOROETHYLENE | (UG/L |) | DET'N LIMIT = 0.1 | 00 GU1 | DELINE = 70 (D1) | |
| | W | | | 8 | | | |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATM | IENT PL | | REATMENT PLAI REATED | ALDE | RSHOT AV | /E | ALDERSHOT | AVE PE | ST. SYSTEM DEN BLVD EE FLOW | PEDE | |
|----------------|---------|---------|---------|-------------------------|-------|----------------|------|-----------|----------|-----------------------------------|------|---------------|
| | | ATILES | | | | | | | | | | |
| CHLOROBENZENE | (UG/L |) | | | DET'N | LIMIT : | 0,10 | | GUIDELI | NE = 1510 (| D3) | |
| 52 SAMPLES | | BDL | | BDL | | BDL | | H 350 | | BDL | | |
| 1,4-DICHLOROBE | NZENE (| UG/L |) | | DET'N | LIMIT : | 0.10 | | GUIDELI | NE = 5 (A1) | | |
| 52 SAMPLES | | BDL | di W | BDL | | BDL | | | • | BDL | | * " " |
| 1,3-DICHLOROBE | NZENE (| UG/L |) | | DET'N | LIMIT : | 0.10 | <i>a</i> | | | D3) | u |
| 52 SAMPLES | | BDL | | BDL | | BDL | | w 00 m | | BDL | | × •: |
| 1,2-DICHLOROBE | NZENE (| UG/L | .) | | DET'N | LIMIT : | 0.05 | | GUIDELI | NE = 200 (A | 1) | |
| 52 SAMPLES | | BDL | × ± | BDL | | BDL | | | | BDL | 5 | e , 3 |
| ETHYLENE DIBRO | MIDE (L | JG/L |) | | DET'N | LIMIT : | 0.05 | | GUIDELI | NE = 50 (D1 |) | |
| 52 SAMPLES | | BDL | | BDL | | BDL | | | * | BDL | | • Ī |
| TOTL TRIHALOME | THANES | (UG/L |) | | DET'N | LIMIT : | 0.50 | | GUIDELI | NE = 350 (A | 1) | |
| 1991 JAN | 2 0 | BDL | | 24.950 | | 11.400 | | | | 16,200 | | 2 |
| 1991 FEB | | BDL | | 20.950 | 3 3 | and government | | | | 17.150 | £ | |
| 1991 MAR | | BDL | 320 | 25.200 | | 15.300 | | | | 20.150 | 197 | |
| 1991 APR | | BDL | | 34.500 | | 23.950 | | | | X | | E#07 |
| 1991 MAY | | BDL | | 49.450 | | 30.200 | | 19 | - | 35.450 | | |
| 1991 JUN | | BDL | | 38.500 | | 24.700 | | | | 33.200 | | or say |
| 1991 JUL | | BDL | | 40.000 | | 26.950 | | | - | | | 180 |
| 1991 AUG | | BDL | | 49.450 | | | | | | 30,900 | | |
| 1991 SEP* | | BDL | | 41.000 | (4) | 20.800 | | | • | 30.500 | | :#II |
| 1991 OCT | | BDL | | 40.100 | | 15.900 | | | | 27.000 | | n . |
| 1991 NOV | | BDL | | 32.500 | | 13.200 | | | | 20.900 | 8 9 | |
| 1992 JAN | | BDL | | 27.200 | | 11.250 | | | 20 | 72 | | |
| 1992 APR | | BDL | | 28.000 | | 16.400 | | | 55 Na | 1.5 V=1 | | |
| 1992 JUL | | BDL | | 49.150 | | 36.600 | | | 95 G | 1.5 | × | 1.5 2. 1.2 |
| 1992 OCT | | BDL | | 30.450 | | 21.300 | | | 2 | 55 USF | | 50, |

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992 BROCKVILLE WTP

| | TREATMENT PLANT RAW | TREATMENT PLANT TREATED | DIST. SYSTEM ALDERSHOT AVE FREE FLOW | DIST. SYSTEM DIST. SYSTE PEDEN BLVD STANDING FREE FLOW | M DIST. SYSTEM PEDEN BLVD STANDING |
|----------------------------------|------------------------|----------------------------|--|--|------------------------------------|
| COBALT 60 (BQ/L | RADIONUCLIDES | S | DET'N LIMIT = 0.7 | O GUIDELINE = N/A | 8 p.5 |
| 6 SAMPLES | BDL | BOL | | • | |
| CESIUM 134 (BQ/ | L) | | DET'N LIMIT = 0.7 | O GUIDELINE = N/A | |
| 6 SAMPLES | BDL | BDL | | | |
| CESIUM 137 (BQ/ | 'L) | •••••• | DET'N LIMIT = 0.7 | 0 GUIDELINE = 50 | (A1) |
| 6 SAMPLES | BDL | BDL | | * · · · · · · · · · · · · · · · · · · · | |
| GROSS ALPHA COL | INT (BQ/L) | | DET'N LIMIT = 0.0 | GUIDELINE = 0.5 | 5 (D1) |
| 1991 FEB 1991 SEP 1992 APR | BDL BDL .050 | BDL BDL BDL | | | |
| GROSS BETA COUN | IT (BQ/L) | | DET'N LIMIT = 0.0 | 4 GUIDELINE = N/A | a z |
| 1991 FEB 1991 SEP 1992 APR | .100 .090 .080 | .090 .090 .070 | : | | |
| TRITIUM (BQ/L |) | | DET'N LIMIT = 7.0 | 00 GUIDELINE = 400 | 00 (A1) |
| 1991 FEB 1991 SEP 1992 APR | 9.000 BDL 22.000 | BDL BDL 12.000 | | | |
| IODINE 131 (89) | /L) | 1 " | DET'N LIMIT = 0.7 | 70 GUIDELINE = 10 | (A1) |
| 6 SAMPLES | BDL | BDL | | | |

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992

| | | | DETECTION | | | | |
|---|---------|---------------|-----------------|---------------|--|----------|----------------|
| CCAN (DADAMETED | | UNIT | LIMIT | GUIDELINE | | | |
| SCAN/PARAMETER | | | LIMIT | GUIDELINE | | s . | |
| | | | | | | | |
| · · | 27 | | | | | | |
| BACTERIOLOGICAL | | | 84 | 9 0 | 77 - 27 | | |
| | | | | | | | ran |
| FECAL COLIFORM MEMBRANE FILTRATION | | CT/100ML | 0 | 0 | (A1) | * | |
| STANDARD PLATE COUNT MEMBRANE FILT. | | CT/ML | 0 | 500/ML | (A3) | | |
| TOTAL COLIFORM BACKGROUND MF | | CT/100ML | 0 | N/A | | | 8 |
| TOTAL COLIFORM MEMBRANE FILTRATION | | CT/100ML | ŏ | 5/100ML | (A1) | | |
| TOTAL COLIFORM MEMBRANE FILIRATION | | CIT TOOME | • | . J/ 100HL | (417 | | |
| CHEMICERY (FLD) | - 8 | | | | | _ 3 | |
| CHEMISTRY (FLD) | | | | | | | |
| | | and and and | _ | | | | |
| FIELD COMBINED CHLORINE RESIDUAL | | MG/L | 0 | N/A | | | |
| FIELD TOTAL CHLORINE RESIDUAL | | MG/L | 0 | N/A | | | |
| FIELD FREE CHLORINE RESIDUAL | | MG/L | 0 | N/A | 90 | | |
| FIELD PH | | DMNSLESS | N/A | 6.5-8.5 | (A4) | | |
| FIELD TEMPERATURE | | DEG.C | N/A | 15.0 | (A3) | | |
| FIELD TURBIDITY | | FTU | N/A | 1.0 | (A1) | | |
| FIELD TORBIDITY | | 110 | W/ A | 1.0 | (AI) | 4 | |
| * Instruction to the Control of the | | | | | | | |
| CHEMISTRY (LAB) | | | | | | | |
| 21 22 22 22 22 22 22 22 22 22 22 22 22 2 | | | 0.00 | 70 500 | | | |
| ALKALINITY | | MG/L | 0.20 | 30-500 | (A4) | | |
| AMMONIUM TOTAL | | MG/L | 0.002 | | (F2) | | |
| CALCIUM | | MG/L | 0.20 | 100.0 | (F2) | | |
| CHLORIDE | | MG/L | 0.20 | 250.0 | (A3) | | |
| COLOUR | | TCU | 0.50 | 5.0 | (A3) | | |
| CONDUCTIVITY | | UMHO/CM | 1.00 | 400.0 | (F2) | | |
| CYANIDE | | MG/L | 0.001 | | (A1) | | |
| | | 2035000 | | | 25 C C C C C C C C C C C C C C C C C C C | | |
| DISSOLVED ORGANIC CARBON | | MG/L | 0.10 | | (A3) | | |
| FLUGRIDE | | MG/L | 0.01 | | (A1) | | |
| HARDNESS | | MG/L | 0.50 | 80-100 | (A4) | | |
| IONCAL | | DMNSLESS | N/A | N/A | | | |
| LANGELIERS INDEX | | DMNSLESS | N/A | . N/A | | | |
| MAGNESIUM | | MG/L | 0.10 | 30.0 | (F2) | | |
| NITRATES (TOTAL) | | MG/L | 0.005 | 10.0 | (A1) | | |
| NITRITE | | MG/L | 0.001 | 1.0 | (A1) | | |
| NITROGEN TOTAL KJELDAHL | | MG/L | 0.02 | N/A | | | |
| PH | | DMNSLESS | N/A | 6.5-8.5 | (A4) | | |
| | | | | N/A | (44) | | |
| PHOSPHORUS FIL REACT | | MG/L | 0.0005 | | (52) | | |
| PHOSPHORUS TOTAL | | MG/L | 0.002 | 20 20 20 20 1 | (F2) | | |
| POTASSIUM | · . | MG/L | 0.010 | 10.0 | | | |
| RESIDUE FILTRATE (CALCULATED TDS) | | MG/L | N/A | 500.0 | (A3) | | |
| SODIUM | | MG/L | 0.20 | 200.0 | (A4) | | |
| SULPHATE | | MG/L | 0.20 | 500.0 | (A4) | 1.5 | |
| TURBIDITY | | FTU | 0.05 | 1.0 | (A1) | | |
| | | | | | | | 84 |
| * The Maximum Acceptable Concentrat | ion (| MC) for matur | rally occurring | fluoride in | drinki | na water | is 2 4 ma/l |
| The Haximum Acceptable Concentrat | 1011 (1 | IAC) TOT INCL | actly occurring | Ttuoi iue | ui iikii | ig water | 15 C.7 IIIg/C. |
| CIII ODGADGMATI CC | | | | | | 8 | |
| CHLOROAROMATICS | 9 2 | | | | | | |
| | | ua li | - 2 | 4. | | | |
| 1,2,3-TRICHLOROBENZENE | | NG/L | 5.0 | N/A | | | |
| 1,2,3,4-TETRACHLOROBENZENE | | NG/L | 1.0 | N/A | | | |
| 1,2,3,5-TETRACHLOROBENZENE | | NG/L | 1.0 | N/A | | | |
| 1,2,4-TRICHLOROBENZENE | | NG/L | 5.0 | 10000 | (1) | | |
| 1,2,4,5-TETRACHLOROBENZENE | | NG/L | 1.0 | 38000 | (D4) | | |
| 1,3,5-TRICHLOROBENZENE | | NG/L | 5.0 | N/A | , | | |
| [2년 1대 2년 1대 2대 | | | | - SHEETHER. | | | |
| 2,3,6-TRICHLOROTOLUENE | | NG/L | 5.0 | N/A | | | |
| 2,4,5-TRICHLOROTOLUENE | | NG/L | 5.0 | N/A | | | |
| 2,6A-TRICHLOROTOLUENE | | NG/L | 5.0 | N/A | | | |
| HEXACHLOROBENZENE (HCB) | | NG/L | 1.0 | 10 | (C1) | | |
| HEXACHLOROBUTAD I ENE | | NG/L | 1.0 | 450 | (D4) | | |
| HEXACHLOROETHANE | | NG/L | 1.0 | 1900 | (D4) | | |
| OCTACHLOROSTYRENE | | NG/L | 1.0 | N/A | :3.70000F. | v | * |
| PENTACHLOROBENZENE | | NG/L | 1.0 | 74000 | (D4) | 14 | |
| , EN MONEONODERECHE | | | | ,4000 | (04) | | |

100.0 20.0 10.0

N/A N/A N/A

NG/L NG/L NG/L

CHLOROPHENOLS

2,3,4-TRICHLOROPHENOL 2,3,4,5-TETRACHLOROPHENOL 2,3,5,6-TETRACHLOROPHENOL

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992

| SCAN/PARAMETER | UNIT | DETECTION LIMIT | GUIDELINE | |
|--|--------------|--------------------|--------------|--------------|
| 2,4,5-TRICHLOROPHENOL | NG/L | 100.0 | 2600000 | (D4) |
| 2,4,6-TRICHLOROPHENOL | NG/L | 20.0 | 5000 | (A1) |
| PENTACHLOROPHENOL | NG/L | 10.0 | 60000 | (A1) |
| METALS | | | | |
| ALUMINUM | UG/L | 0.10 | 100 | (A4) |
| ANTIMONY | UG/L | 0.05 | 146 | (D4) |
| ARSENIC | UG/L | 0.10 | 25 | (A1) |
| BARTUM | UG/L | 0.05 | 1000 | (A2) |
| BERYLLIUM | UG/L | 0.05 | 6800 | (D4) |
| BORON | UG/L | 2.00 | 5000 | (A1) |
| CADMIUM | UG/L | 0.05 | 5 | (A1) |
| CHROMIUM | UG/L | 0.50 | 50 N/A | (A1) |
| COBALT | UG/L UG/L | 0.02 0.50 | 1000 | (A3) |
| COPPER IN THE SECOND SE | UG/L | 6.00 | 300 | (A3) |
| LEAD | UG/L | 0.05 | 10 | (A1) |
| MANGANESE | UG/L | 0.05 | 50 | (A3) |
| MERCURY | UG/L | 0.02 | 0.004 | (A1) |
| MOLYBDENUM | UG/L | 0.05 | N/A | 2000000 8 |
| NICKEL | UG/L | 0.20 | 350 | (D3) |
| SELENIUM | UG/L | 1.00 | . 10 | (A1) |
| SILVER | UG/L | 0.05 | N/A | |
| STRONTIUM | UG/L | 0.10 | · N/A | |
| THÁLLIUM | UG/L | 0.05 | 13 | (D4) |
| TITANIUM | UG/L | 0.50 | N/A | |
| URANIUM | UG/L | 0.05 | 100 | (A1) |
| VANADIUM | UG/L | 0.05 | . N/A | (A3) |
| ZINC | UG/L | 0.20 | 5000 | (A3) |
| POLYNUCLEAR AROMATIC HYDROCARBONS | | | | |
| ANTHRACENE | NG/L | 1.0 | N/A | |
| BENZO(A) ANTHRACENE | NG/L | 20.0 | N/A | |
| BENZO(A) PYRENE | NG/L | 5.0 | 10 | (A1) |
| BENZO(B) CHRYSENE | NG/L NG/L | 2.0 10.0 | N/A N/A | |
| BENZO(B) FLUORANTHENE BENZO(E) PYRENE | NG/L | 50.0 | N/A | 1972 |
| BENZO(G,H,I) PERYLENE | NG/L | 20.0 | N/A | |
| BENZO(K) FLUORANTHENE | NG/L | 1.0 | N/A | |
| CHRYSENE | NG/L | 50.0 | N/A | |
| CORONENE | NG/L | 10.0 | N/A | |
| DIBENZO(A,H) ANTHRACENE | NG/L | 10.0 | N/A | |
| DIMETHYL BENZO(A) ANTHRACENE | NG/L | 5.0 | N/A | |
| FLUORANTHENE | NG/L | 20.0 | 42000 | (D4) |
| INDENO(1,2,3-C,D) PYRENE | NG/L | 20.0 | N/A | |
| PERYLENE | NG/L | 10.0 | N/A | |
| PHENANTHRENE PYRENE | NG/L NG/L | 10.0 20.0 | N/A N/A | |
| PESTICIDES & PCB | | | e (4) | |
| ALACHLOR (LASSO) | NG/L | 500.0 | 5000 | (A2) |
| ALDRIN | NG/L | 1.0 | 700 | (A1) |
| ALPHA HEXACHLOROCYCLOHEXANE (BHC) | NG/L | 1.0 | 700 | (G) |
| ALPHA CHLORDANE | NG/L | 2.0 | 7000 | (A1) |
| AMETRINE | NG/L | 50.0 | 300000 | (D3) |
| ATRATONE | NG/L | 50.0 | N/A | |
| ATRAZINE | NG/L | 50.0 | 60000 | (A2) |
| DESETHYL ATRAZINE | NG/L | 200.0 | 60000 300 | (A2) |
| BETA HEXACHLOROCYCLOHEXANE (BHC) | NG/L | 1.0 100.0 | 10000 | (G) (A2) |
| CYANAZINE (BLADEX) DIELDRIN | NG/L NG/L | 2.0 | 700 | (A1) |
| 111E117E1M | MU/L | 2.0 | | 72 |
| | NG/I | 2.0 | 74000 | (DA) |
| ENDOSULFAN 1 (THIODAN I) ENDOSULFAN 2 (THIODAN II) | NG/L NG/L | 2.0 5.0 | 74000 | (D4) (D4) |

| | | | * | |
|---|------|-----------|-----------|----------------|
| SCAN/PARAMETER | UNIT | DETECTION | GUIDELINE | |
| | | | | 225 |
| ENDRIN | NG/L | 5.0 | 1600 | (D3) |
| GAMMA CHLORDANE | NG/L | 2.0 | 7000 | (A1) |
| HEPTACHLOR | NG/L | 1.0 | 3000 | (A1) |
| HEPTACHLOR EPOXIDE | NG/L | 1.0 | 3000 | (A1) |
| HEXACHLOROCYCLOPENTAD I ENE | NG/L | 5.0 | 206000 | (D4) |
| LINDANE (GAMMA BHC) | NG/L | 1.0 | 4000 | (A1) |
| METHOXYCHLOR | NG/L | 5.0 | 900000 | (A1) |
| METOLACHLOR | NG/L | 500.0 | 50000 | (A2) |
| METRIBUZIN (SENCOR) | NG/L | 100.0 | 80000 | (A1) |
| MIREX | NG/L | 5.0 | N/A | Service |
| P,P-DDD | NG/L | 5.0 | 30000 | (A1) |
| O,P-DDT | NG/L | 5.0 | 30000 | (A1) |
| P,P-DDT | NG/L | 5.0 | 30000 | (A1) |
| P,P-DDE | NG/L | 1.0 | 30000 | (A1) |
| OXYCHLORDANE | NG/L | 2.0 | N/A | |
| PCB | NG/L | 20.0 | 3000 | (A2) |
| PROMETONE | NG/L | 50.0 | 52500 | (D3) |
| PROMETRYNE | NG/L | 50.0 | 1000 | (A2) |
| PROPAZINE | NG/L | 50.0 | 700000 | (D3) |
| SIMAZINE | NG/L | 50.0 | 10000 | (A2) |
| DESETHYL SIMAZINE | NG/L | 200.0 | 10000 | (A2) |
| TOXAPHENE | NG/L | 500.0 | 5000 | (A1) |
| 96 u | | II Dei 2 | | |
| PHENOLICS | 8 | | | |
| PHENOLICS (UNFILTERED REACTIVE) | UG/L | 0.2 | N/A | |
| SPECIFIC PESTICIDES | | | 9 | |
| 2,4 D PROPIONIC ACID | NG/L | 100.0 | N/A | |
| 2,4,5-TRICHLOROPHENOXY ACETIC ACID | NG/L | 50.0 | 280000 | (A1) |
| 2,4-DICHLOROBUTYRIC ACID (2,4-D) | NG/L | 100.0 | 100000 | (A1) |
| 2,4-DICHLORORPHENOXYBUTYRIC ACID (2,4-DB) | | 200.0 | N/A | (71) |
| 2,4,5-TP (SILVEX) | | 20.0 | | /41\ |
| | NG/L | | 10000 | (A1) |
| BUTYLATE (SUTAN) | NG/L | 2000.0 | 245000 | (D3) |
| CARBARYL (SEVIN) | NG/L | 200.0 | 90000 | (A1) |
| CARBOFURAN | NG/L | 2000.0 | 90000 | (A1) |
| CHLORPROPHAM (CIPC) | NG/L | 2000.0 | 350000 | (G) |
| CHLORPYRIFOS (DURSBAN) | NG/L | 20.0 | N/A | |
| DIALLATE | NG/L | 2000.0 | N/A | |
| DIAZINON | NG/L | 20.0 | 20000 | (A1) |
| DICAMBA | NG/L | 50.0 | 120000 | (A1) |
| DICHLOROVOS | NG/L | 20.0 | N/A | |
| EPTAM | NG/L | 2000.0 | N/A | |
| ETHION | NG/L | 20.0 | 35000 | (G) |
| IPC | NG/L | 2000.0 | N/A | 10101010 |
| MALATHION | NG/L | 20.0 | 190000 | (A1) |
| METHYL PARATHION | NG/L | 50.0 | 9000 | (D3) |
| METHYLTRITHION | NG/L | 20.0 | N/A | |
| MEVINPHOS | NG/L | 20.0 | N/A | 8 |
| PARATHION | NG/L | 20.0 | 50000 | (A1) |
| PHORATE (THIMET) | NG/L | 20.0 | 2000 | (A2) |
| PICHLORAM | NG/L | 100.0 | 190000 | (A2) |
| PROPOXUR (BAYGON) | NG/L | 2000.0 | 140000 | (D3) |
| RELDAN | NG/L | 20.0 | N/A | |
| RONNEL | NG/L | 20.0 | N/A | |
| VOLATILES | | | n 42 * | 100 |
| 1,1-DICHLOROETHANE | UG/L | 0.10 | N/A | |
| 1,1-DICHLOROETHYLENE | UG/L | 0.10 | 7 | (D1) |
| 1,2-DICHLOROBENZENE | UG/L | 0.05 | 200 | (A1) |
| 1,2-DICHLOROETHANE | UG/L | 0.05 | 5 | (A1) |
| 1,2-DICHLOROPROPANE | UG/L | 0.05 | 5 | (D1) |
| 1,3-DICHLOROBENZENE | UG/L | 0.10 | 3750 | (D3) |
| 1,4-DICHLOROBENZENE | UG/L | 0.10 | 5/50 | |
| 1,1,1-TRICHLOROETHANE | UG/L | 0.02 | 200 | (A1) |
| 1,1,2-TRICHLOROETHANE | UG/L | 0.05 | 0. | (D1) 6 (D4) |
| 1,1,2,2-TETRACHLOROETHANE | UG/L | 0.05 | | 17 (D4) |
| .,.,c,c ILIMOILONOLIIMME | Od/L | 0.05 | 0. | 17 (04) |

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM 1991 AND 1992

| SCAN/PARAMETER | | UNIT | DETECTION LIMIT | GUIDELINE | |
|----------------------------|-------|--------|--------------------|-----------|-----------|
| | | | 0.05 | | /A1\ |
| BENZENE | | UG/L | 0.05 | 5 | (A1) |
| BROMOFORM | 15. 8 | UG/L | 0.20 | 350 | (A1+) |
| CARBON TETRACHLORIDE | | UG/L | 0.20 | 5 | (A1) |
| CHLOROBENZENE | | UG/L | 0.10 | 1510 | (D3) |
| CHLOROD I BROMOMETHANE | (4) | UG/L | 0.10 | 350 | (A1+) |
| CHLOROFORM | | UG/L | 0.10 | 350 | (A1+) |
| CIS 1,2-DICHLOROETHYLENE | | UG/L | 0.10 | 70 | (D1) |
| DICHLOROBROMOMETHANE | | UG/L | 0.05 | 350 | (A1+) |
| ETHYLENE DIBROMIDE | 10 | UG/L | 0.05 | 50 | (D1) |
| ETHYLBENZENE | | UG/L | 0.05 | | .4 (A3) |
| M-XYLENE | | UG/L | 0.10 | .300 | (A3*) |
| METHYLENE CHLORIDE | | ' UG/L | 0.50 | 50 | (A1) |
| O-XYLENE | | UG/L | 0.05 | 300 | (A3*) |
| P-XYLENE | | UG/L | . 0.10 | 300 | (A3*) |
| STYRENE | | UG/L | 0.05 | 100 | (D1) |
| TETRACHLOROETHYLENE | | UG/L | 0.05 | 65 | (A5) |
| TRANS 1,2-DICHLOROETHYLENE | | UG/L | 0.10 | 70 | (D1) |
| TOLUENE | | UG/L | 0.05 | 24 | (A3) |
| TOTAL TRIHALOMETHANES | | UG/L | 0.50 | 350 | (A1) |
| TRICHLOROETHYLENE | | UG/L | 0.10 | 50 | (A1) |
| VINYL CHLORIDE | | UG/L | 0.10 | 2 | (D1) |
| RADIONUCLIDES | | 39 | | | |
| TRITIUM | | BQ/L | 7.0 | 40000 | (A1) |
| GROSS ALPHA COUNT | | BQ/L | 0.04 | 0. | .55# (D1) |
| GROSS BETA COUNT | | BQ/L | 0.04 | · N/A | 1 |
| COBALT 60 | | BQ/L | 0.70 | N/A | |
| CESIUM 134 | | BQ/L | 0.70 | N/A | |
| CESIUM 137 | | BQ/L | 0.70 | 50 | (A1) |
| IODINE 131 | 198 | BQ/L | 0.70 | 10 | (A1) |
| | | | | | |

Equal to 15.0 Picocuries/litre

DRINKING WATER SURVEILLANCE PROGRAM PROGRAM DESCRIPTION

The Drinking Water Surveillance Program (DWSP) for Ontario monitors drinking water quality at municipal water supply systems. The DWSP Database Management System provides a computerized drinking water quality information system for the supplies monitored. The objectives of the program are to provide:

- immediate, reliable, current information on drinking water quality;
- a flagging mechanism for guideline exceedance;
- a definition of contaminant levels and trends;
- a comprehensive background for remedial action;
- a framework for assessment of new contaminants; and
- an indication of treatment efficiency of plant processes.

PROGRAM

The DWSP officially began in April 1986 and is designed to eventually include all municipal water supplies in Ontario. In 1992, 109 systems were being monitored. Water supply locations have been prioritized for surveillance based primarily on criteria such as population density, probability of contamination and geographical location.

An ongoing assessment of future monitoring requirements at each location will be made. Monitoring will continue at the initial locations at an appropriate level and further locations will be phased into the program as resources permit.

A major goal of the program is to collect valid water quality data in context with plant operational characteristics at the time of sampling. As soon as sufficient data have been accumulated and analyzed, both the frequency of sampling and the range of parameters may be adjusted accordingly.

Assessments are carried out at all locations prior to initial sampling, in order to acquire complete plant process and distribution system details and to designate (and retrofit if necessary) all sampling systems and locations. This ensures that the sampled water is a reflection of the water itself.

Samples are taken of raw (ambient water) and treated water at the treatment plant and of consumer's tap water in the distribution system. In order to determine possible effects of distribution on water quality, both standing and free flow water in old and new sections of the distribution system are sampled. Sampling is carried out by operational personnel who have been trained in applicable procedures.

Comprehensive standardized procedures and field test kits are supplied to sampling personnel. This ensures that samples are taken and handled according to standard protocols and that field testing will supply reliable data. All field and laboratory analyses are carried out using "approved documented procedures". Most laboratory analyses are carried out by the Ministry of Environment and Energy (MOEE), Laboratory Services Branch. Radionuclides are analyzed by the Ministry of Labour.

DATA REPORTING MECHANISM

When the analytical results are transferred from the MOEE laboratory into the DWSP system, printouts of the completed analyses are sent to the MOEE District Officer, the appropriate operational staff and are also retained by the DWSP unit.

PROGRAM INPUTS AND OUTPUTS

There are four major inputs and four major outputs in the program.

Program Input - Plant and Distribution System Description

The system description includes plant specific non-analytical information acquired through a questionnaire and an initial plant visit. During the initial assessment of the plant and distribution system, questionnaire content is verified and missing information added. It is intended that all data be kept current with scheduled annual updates.

The Plant and Distribution System Description consists of the following seven components:

1. PROCESS COMPONENT INVENTORY

All physical and chemical processes to which the water is subjected, from the intake pipe to the consumers' tap (where possible), are documented. These include: process type, general description of physical structures, material types, sizes, and retention time for each process within the plant. The processes may be as simple as transmission or as complex as carbon adsorption.

2. TREATMENT CHEMICALS

Chemicals used in the treatment processes, their function, application point, supplier and brand-name are recorded. Chemical dosages applied on the day of sampling are recorded in DWSP.

3. PROCESS CONTROL MEASUREMENTS

Documentation of in-plant monitoring of process parameters (eg. turbidity, chlorine residuals, pH, aluminum residuals) including methods used, monitoring locations and frequency is contained in this section. Except for the recorded Field Data, in-plant monitoring results are not retained in DWSP but are retained by the water treatment plant personnel.

4. DESIGN FLOW AND RETENTION TIME

Hydraulic capacity, designed and actual, is noted here. Retention time (the time that a block of water is retained in the plant) is also noted. Maximum, minimum and average flow, as well as a record of the flow rate on the day of sampling, are recorded in DWSP.

5. DISTRIBUTION SYSTEM DESCRIPTION

This area includes the storage and transmission characteristics of the distribution system after the water leaves the plant.

6. SAMPLING SYSTEM

Each plant is assessed for its adequacy in terms of the sampling of bacteriological, organic and inorganic parameters. Prime considerations in the assessment and design of the sampling system are:

- i/ the sample is an accurate representation of the actual water condition, eg. raw water has had no chemical treatment;
- ii/ the water being sampled is not being modified by the sampling system;
- iii/ the sample tap must be in a clean area of the plant, preferably a lab area; and
- iv/ the sample lines must be organically inert (no plastic, ideally stainless steel).

It is imperative that the sampled water be a reflection not of the sampling system but of the water itself.

The sampling system documentation includes: origin of the water; date sampling was initiated; size, length and material type (intake, discharge and tap); pump characteristics (model, type, capacity); and flow rate.

7. PERSONNEL

This section contains the names, addresses and phone numbers of current plant management and operational staff, distribution system management and operational staff, Medical Officer of Health and appropriate MOEE personnel associated with the plant.

Program Input - Field Data

The second major input to DWSP is field data. Field data is collected at the plant and from the distribution system sites on the day of sampling. Field data consists of general operating conditions and the results of testing for field parameters. General operating conditions include chemicals used, dosages, flow and retention time on the day of sampling, as well as, monthly maximum, minimum and average flows. Field parameters include turbidity, chlorine residuals (free, combined and total), temperature and pH. These parameters are analyzed according to standardized DWSP protocols to allow for interplant comparison.

Program Input - Laboratory Analytical Data

The third major input to DWSP is Laboratory Analytical Data. Samples gathered from the raw, treated and distribution sampling sites are analyzed for the presence of approximately 180 parameters at a frequency of two to twelve times per year. Sixty-five percent of the parameters are organic. Parameters measured may have health or aesthetic implications when present in drinking water. Many of the parameters may be used in the treatment process or may be treatment by-products. Due to the nature of certain analytical instruments, parameters may be measured in a "scan" producing some results for parameters that are not on the DWSP priority list, but which may be of interest. The majority of parameters are measured on a routine basis. Those that are technically more difficult and/or costly to analyze, however, are done less frequently. These include Specific Pesticides and Chlorophenols.

Although the parameter list is extensive, additional parameters with the potential to cause health or aesthetic related problems may be added provided reliable analytical and sampling methods exist.

All laboratory generated data is derived from standardized, documented analytical protocols. The analytical method is an integral part of the data and as methods change, notation will be made and comparison data documented.

Program Input - Parameter Reference Information

The fourth major input to DWSP is Parameter Reference Information. This is a catalogue of information for each substance analyzed on DWSP. It includes parameter name and aliases, physical and chemical properties, basic toxicology, world-wide health limits, treatment methods and uses. The Parameter Reference Information is computerized and can be accessed through the Query function of the DWSP database. An example is shown in figure 1.

Program output - Query

All DWSP information is easily accessed through the Query function, therefore, anything from addresses of plant personnel to complete water quality information for a plant's water supply is instantly available. The DWSP computer system makes relatively complex inquiries manageable. A personal password allowing access into the DWSP query mode in all MOEE offices is being developed by the DWSP group.

Program Output - Action Alerts

Drinking Water quality in Ontario is evaluated against provincial objectives as outlined in the Ontario Drinking Water Objectives publication. Should the reported level of a substance in treated water exceed the Ontario Drinking Water Objective, an "Action Alert" requiring resampling and confirmation is issued. This assures that operational staff, health authorities and the public are notified as soon as possible of the confirmation of an exceedance and remedial action taken. This report supplies a history of the occurrence of past exceedances at the plant plus a historical summary on the parameter of concern.

In the absence of Ontario Drinking Water Objectives, guidelines/limits from other agencies are used. The Parameter Listing System, published by MOEE (ISBN 0-7729-4461-X), catalogues and keeps current guidelines for 650 parameters from agencies throughout the world. If these guidelines are exceeded, the results are flagged and evaluated by DWSP personnel. An "Action Alert" will be issued if warranted.

Program Output - Report Generation

Custom reports can be generated from DWSP to meet MOEE Regional needs and to respond to public requests.

Program Output - Annual Reports

It is the practice of DWSP to produce an annual report containing analytical data along with companion plant information.

FIG.1

PARAMETER REFERENCE INFORMATION

NAME: BENZENE

CAS#: 71-43-2

MOLECULAR FORMULAE: C6H6

DETECTION LIMIT: (FOR METHOD POCODO) 0.05 μ g/L

SYNONYMS: BENZOL; BENZOLE; COAL NAPHTHA; CARBON OIL (27)

CYCLOHEXATRIENE (41)

CHARACTERISTICS: COLOURLESS TO LIGHT-YELLOW, MOBILE, NONPOLAR LIQUID, OF

HIGHLY REFRACTIVE NATURE, AROMATIC ODOUR; VAPOURS BURN

WITH SMOKING FLAME (30)

PROPERTIES: SOLUBILITY IN WATER: 1780-1800 mg/L AT 25C (41)

THRESHOLD ODOUR: 0.5 - 10 PPM IN WATER THRESHOLD TASTE: 0.5 mg/L IN WATER (39)

ENVIRONMENTAL FATE: MAY BIOACCUMULATE IN LIVING ORGANISMS AND APPEARS TO ACCUMULATE IN ANIMAL TISSUES THAT EXHIBIT A HIGH LIPID CONTENT OR REPRESENT MAJOR METABOLIC SITES, SUCH AS LIVER OR BRAIN; SMALL QUANTITIES EVAPORATE FROM

SOILS OR ARE DEGRADED RATHER QUICKLY (80)

SOURCES: COMMERCIAL: PETROLEUM REFINING; SOLVENT RECOVERY; COAL TAR

DISTILLATION (39); FOOD PROCESSING AND TANNING INDUSTRIES;

COMBUSTION OF CAR EXHAUST.

ENVIRONMENTAL: POSSIBLE SOURCE IS RUNOFF.

USES: DETERGENTS; NYLON; INTERMEDIATE IN PRODUCTION OF OTHER

COMPOUNDS, SUCH AS PESTICIDES; SOLVENT FOR EXTRACTION AND RECTIFICATION IN RUBBER INDUSTRY; DEGREASING AND CLEANSING

AGENT; GASOLINE.

REMOVAL: THE FOLLOWING PROCESSES HAVE BEEN SUCCESSFUL IN REMOVING

BENZENE FROM WASTEWATER: GAC ADSORPTION, PRECIPITATION WITH ALUM AND SUBSEQUENT REMOVAL VIA SEDIMENTATION, COAGULATION AND FLOCCULATION, SOLVENT EXTRACTION,

OXIDATION

ADDITIONAL PROPERTIES: MOLECULAR WEIGHT: 78.12

MELTING POINT: 5.5°C (27) BOILING POINT: 80.1°C (27)

SPECIFIC GRAVITY: 0.8790 AT 20°C (27) VAPOUR PRESSURE: 100 MM AT 26.1°C (27)

HENRY'S LAW CONSTANT: 0.00555 ATM-M3/MOLE (41)

LOG OCT./WATER PARTITON COEFFICIENT: 1.95 .TO 2.13 (39) CARBON ADSORPTION: K=1.0; 1/N=1.6; R=0.97; PH=5.3 (41)

SEDIMENT/WATER PARTITION COEFFICIENT: NO DATA

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DWSP SAMPLING GUIDELINE

i) Raw and Treated at Plant

(OWOC), (OWTRI)

General Chemistry -500 mL plastic bottle (PET 500)

-rinse bottle and cap with sample water three

times

-fill to 2 cm from top

Bacteriological -220 mL plastic bottle with white seal on cap

-do not rinse bottle, preservative has been added

-avoid touching bottle neck or inside of cap

-fill to top of red label as marked

Metals -500 mL plastic bottle (PET 500)
-rinse bottle and cap three times

-fill to 2 cm from top

-add 10 drops nitric acid (HNO₃) (Caution: HNO₃ is corrosive)

Volatiles (duplicates) -45 mL glass vial with septum

(OPOPUP) (teflon side must be in contact with sample)

-do not rinse bottle

-fill bottle completely without bubbles

Organics -1 L amber glass bottle per scan

-do <u>not</u> rinse bottle -fill to 2 cm from top

Specific Pesticides -as per Organics

(OWCP), (PEOP), (PECAR) -three extra bottles must be filled

Polyaromatic hydrocarbons -1 L amber glass bottle per scan

(OAPAHX) -do <u>not</u> rinse bottle -fill to 2 cm from top

-add 25 drops of sodium thiosulphate

Cyanide (Treated only) -500 mL plastic bottle (PET 500)
-rinse bottle and cap three times

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-fill to 2 cm from top

-add 10 drops sodium hydroxide (NaOH)

(Caution: NaOH is corrosive)

Mercury -250 mL glass bottle

-rinse bottle and cap three times

-fill to top of label

-add 20 drops each nitric acid (HNO₃) and potassium dichromate (K₂Cr₂O₇) (Caution: HNO₃&K₂Cr₂O₇ are corrosive)

Phenols

-250 mL glass bottle

-do not rinse bottle, preservative has been added

-fill to top of label

Radionuclides

-4 L plastic jug

(as scheduled)

-do not rinse, carrier added

-fill to 5 cm from top

Organic Characterization

(GC/MS - once per year)

(PBVOL), (PBEXT)

-1 L amber glass bottle; instructions

as per organic

-250 mL glass bottle -do not rinse bottle

-fill completely without bubbles

Steps:

1. Let sampling water tap run for an adequate time to clear the sample line.

2. Record time of day on submission sheet.

3. Record temperature on submission sheet.

4. Fill up all bottles as per instructions.

Record chlorine residuals (free, combined and total for treated water only), turbidity and pH on submission sheet.

6. No smoking in area of sample location.

ii) Distribution Samples (standing water)

General Chemistry

-500 mL plastic bottle (PET 500)

-rinse bottle and cap with sample water three

times

-fill to 2 cm from top

Metals

-500 mL plastic bottle (PET 500) -rinse bottle and cap three times

-fill to 2 cm from top

-add 10 drops nitric acid (HNOz) (Caution: HNO, is corrosive)

Steps:

- Record time of day on submission sheet.
- 2. Place bucket under tap and open cold water.
- 3. Fill to predetermined volume.
- 4. After mixing the water, record the temperature on the submission sheet.

- 5. Fill general chemistry and metals bottles.
- 6. Record chlorine residuals (free, combined and total), turbidity and pH on submission sheet.

iii) Distribution Samples (free flow)

General Chemistry -500 mL plastic bottle (PET 500)

-rinse bottle and cap with sample water three

times

-fill to 2 cm from top

Bacteriological -250 mL plastic bottle with white seal on cap

-do not rinse bottle, preservative has been added

-avoid touching bottle neck or inside of cap

-fill to top of red label as marked

Metals -500 mL plastic bottle (PET 500)

-rinse bottle and cap three times

-fill to 2 cm from top

-add 10 drops nitric acid HNO₃ (Caution: HNO₃ is corrosive)

Volatiles (duplicate)

(OPOPUP)

-45 mL glass vial with septum

(teflon side must be in contact with sample)

-do not rinse bottle, preservative has been added

-fill bottle completely without bubbles

Organics

(OWOC)

-1 L amber glass bottle per scan

-do not rinse bottle

-fill to 2 cm from top

Polyaromatic Hydrocarbons

(OAPAHX)

-1 L amber glass bottle per scan

-do not rinse bottle

-fill to 2 cm from top

-add 25 drops of sodium thiosulphate

Steps:

- 1. Record time of day on submission sheet.
- 2. Let cold water flow for five minutes.
- 3. Record temperature on submission sheet.
- 4. Fill all bottles as per instructions.
- 5. Record chlorine residuals (free, combined and total), turbidity and pH on submission sheet.

(7148) TD/227/B76/B76/MOE